

ARMY
NAVY
AIR FORCE

TM 11-5820-401-20P
EE150-JD-ORI-010/VRC
TO 31R2-2PRC-224

ORGANIZATIONAL MAINTENANCE
REPAIR PARTS AND SPECIAL TOOLS LIST
FOR

RADIO SETS

AN/VRC-12 (NSN 5820-00-223-7412)
AN/VRC-43 (NSN 5820-00-223-7415)
AN/VRC-44 (NSN 5820-00-223-7417)
AN/VRC-45 (NSN 5820-00-223-7418)
AN/VRC-46 (NSN 5820-00-223-7433)
AN/VRC-47 (NSN 5820-00-223-7434)
AN/VRC-48 (NSN 5820-00-223-7435)
AN/VRC-49 (NSN 5820-00-223-7437)

RECEIVER-TRANSMITTERS, RADIO

RT-246/VRC and RT-246A/VRC (NSN 5820-00-892-0623)
RT-524/VRC and RT-524A/VRC (NSN 5820-00-892-0622)

RECEIVERS, RADIO

R-442/VRC and R-442A/VRC (NSN 5820-00-892-0624)

MOUNTINGS

MK-2096/GRC (NSN 5915-01-024-3877)
MT-1029/VRC (NSN 5820-00-893-1323)
MT-1898/VRC (NSN 5820-00-893-1324)

CONTROL FREQUENCY SELECTOR C-2742/VRC
(NSN 5820-00-892-3343)

CONTROL, RADIO SET C-2299/VRC
(NSN 5820-00-892-3340)

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Technical Manual
No. 11-5820-401-20P
Technical Manual
EE150-JD-ORI-010/VRC
Technical Order
No. 31R2-2VRC-224

DEPARTMENTS OF THE ARMY,
THE NAVY, AND THE AIR FORCE

Washington, DC, 1 August 1989

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- AN/VRC-44 (NSN 5820-00-223-7417)
- AN/VRC-45 (NSN 5820-00-223-7418)
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Current as of 1 June 1989

REPORTING ERRORS AND RECOMMENDING IMPROVEMENTS

You can help improve this manual. If you find any mistakes or if you know of a way to improve the procedures, please let us know. Mail your letter, DA Form 2028 (Recommended Changes to Publications and Blank Forms), or DA Form 2028-2 located in back of this manual direct to: Commander, US Army Communications-Electronics Command and Fort Monmouth, ATTN: AMSEL-LC-ME-PS, Fort Monmouth, New Jersey 07703-5000.

*This manual supersedes TM 11-5820-401-20P, 1 May 1988.

For Navy, mail comments to the Commander, Space and Naval Warfare Systems Command, ATTN: SPAWAR 8122, Washington, DC, 20363-5100.

For Air Force, submit AFTO Form 22 (Technical Order System Publication Improvement Report and Reply) in accordance with paragraph 6-5, Section VI, T.O. 00-5-1. Forward direct to prime ALC/MST.

In either case, a reply will be furnished direct to you.

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SECTION I INTRODUCTION

1. Scope

This manual lists and authorizes spares and repair parts; special tools; special test, measurement, and diagnostic equipment (TMDE); and other special support equipment required for performance of organizational maintenance of the AN/VRC-12 Series. It authorizes the requisitioning, issue, and disposition of spares, repair parts, and special tools as indicated by the source, maintenance and recoverability (SMR) codes.

2. General

This Repair Parts and Special Tools List is divided into the following sections:

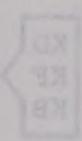
a. Section II. Repair Parts List. A list of spares and repair parts authorized by this RPSTL for use in the performance of maintenance. The list also includes parts which must be removed for replacement of the authorized parts. Parts list are composed of functional groups in ascending numeric sequence, with the parts in each group listed in ascending item number sequence. Figure numbers are listed directly beneath the group header. Items listed are shown on the associated illustration.

b. Section III. Special Tools List. Not applicable.

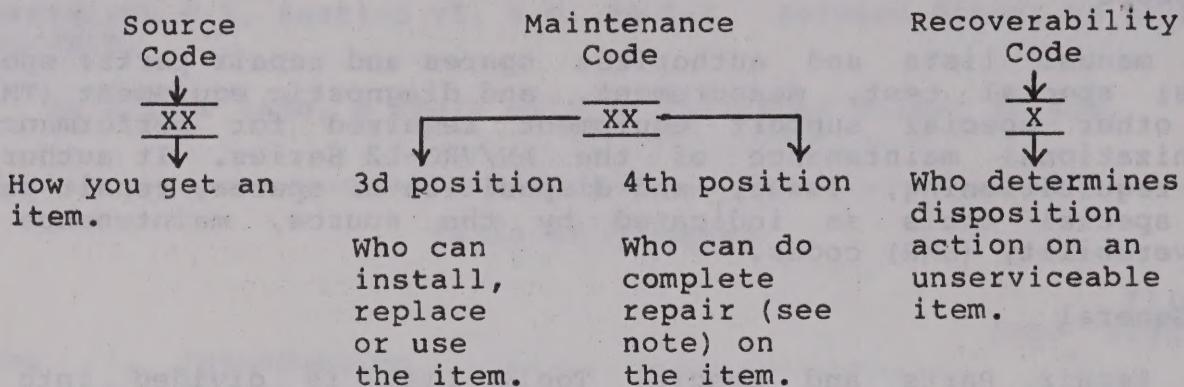
c. Section IV. Cross-Reference Indexes. A list, in National item identification number (NIIN) sequence, of all National stock numbered items appearing in the listing, followed by a list in alphabetic sequence of all part numbers appearing in the listings. National stock numbers and part numbers are cross-referenced to each illustration figure and item number appearance. The figure number and item number index lists figure and item numbers in numeric sequence and cross-references National stock number, Federal Supply Code for Manufacturer and part numbers.

3. Explanation of Columns (Section II and III)

a. Item No. (Column (1)). Indicates the number used to identify items called out in the illustration.



b. SMR Code (Column 2). The source, maintenance, and recoverability (SMR) code is a five-position code containing supply/requisitioning information, maintenance category authorization criteria, and disposition instructions, as shown in the following breakout:



NOTE

Complete repair: Maintenance capacity, capability, and authority to perform all corrective maintenance tasks of the "repair" function in a use/user environment in order to restore serviceability to a failed item.

(1) Source code. The source code tells you how to get an item needed for maintenance, repair, or overhaul of an end item/equipment. Explanations of source codes follows:

Code

PA
PB
PC
PD
PE
PF
PG

Explanation

Stocked items: use the applicable NSN to request/requisition items with these source codes. They are authorized to the category indicated by the code entered in the third position of the SMR code.

NOTE

Items coded PC are subject to deterioration.

KD
KF
KB

Items with these codes are not to be requested/requisitioned individually. They are part of a kit which is authorized to the maintenance category indicated in the third position of the SMR code. The complete kit must be requisitioned and applied.

Code

MO	- Made at org/AVUM category
MF	- Made at DS/AVIM category
MH	- Made at GS category
ML	- Made at Specialized Repair Activity (SRA)
MD	- Made at Depot

AO	- Assembled by org/AVUM category
AF	- Assembled by DS/AVIM category
AH	- Assembled by GS category
AL	- Assembled by SRA
AD	- Assembled by Depot

Explanation

Items with these codes are not to be requested/requisitioned individually. They must be made from bulk material which is identified by the part number in the description and usable on code (UOC) column and listed in the Bulk Material group of the repair parts list. If the item is authorized to you by the third position code of the SMR code, but the source code indicates it is made at a higher category, order the item from the higher category of maintenance.

Items with these codes are not to be requested/requisitioned individually. The parts that make up the assembled item must be requisitioned or fabricated and assembled at the category of maintenance indicated by the source code. If the third position code of the SMR code authorizes you to replace the item, but the source code indicates the item is assembled at a higher category, order the item from the higher category of maintenance.

CodeExplanation

XA - Do not requisition an "XA" coded item. Order its next higher assembly.
 XB - If an "XB" item is not available from salvage, order it using the FCSM and part number given.
 XC - Installation drawing, diagram, instruction sheet, field service drawing, that is identified by manufacturer's part number.
 XD - Item is not stocked. Order an "XD" coded item through normal supply channels using the FSCM and part number given, if not available.

NOTE

Cannibalization or controlled exchange, when authorized, may be used as a source of supply for items with the above source codes, except for those source coded "XA" or those aircraft support items restricted by requirements of AR 750-1.

(2) Maintenance code. Maintenance codes tell you the category of maintenance authorized to USE and REPAIR support items. The maintenance codes are entered in the third and fourth positions of the SMR code as follows:

(a) The maintenance code entered in the third position tells you the lowest maintenance category authorized to remove, replace, and use an item. The maintenance code entered in the third position will indicate authorization to one of the following categories of maintenance.

<u>Code</u>	<u>Application/Explanation</u>
C -	Crew or operator maintenance done within organizational or aviation maintenance.
O -	Organizational or aviation unit category can remove, replace, and use the item.
F -	Direct support or aviation intermediate category can remove, replace, and use the item.
H -	General support category can remove, replace, and use the item.
L -	Specialized repair activity can remove, replace, and use the item.
D -	Depot category can remove, replace, and use the item.

(b) The maintenance code entered in the fourth position tells whether or not the item is to be repaired and identifies the lowest maintenance category with the capability to do complete repair (i.e., perform all authorized repair functions). This position will contain one of the following maintenance codes.

NOTE

Some limited repair may be done on the item at a lower category of maintenance, if authorized by the Maintenance Allocation Chart (MAC) and SMR codes.

<u>Code</u>	<u>Application/Explanation</u>
O -	Organizational or aviation unit is the lowest category that can do complete repair of the item.
F -	Direct support or aviation intermediate is the lowest category that can do complete repair of the item.
H -	General support is the lowest category that can do complete repair of the item.
L -	Specialized repair activity (designate the specialized repair activity) is the lowest category that can do complete repair of the item.
D -	Depot is the lowest category that can do complete repair of the item.

<u>Code</u>	<u>Application/Explanation</u>
-------------	--------------------------------

- Z - Nonreparable. No repair is authorized.
- B - No repair is authorized. (No parts or special tools are authorized for the maintenance of a "B" coded item.) However, the item may be reconditioned by adjusting, lubricating, etc., at the user category.

(3) Recoverability code. Recoverability codes are assigned to items to indicate the disposition action on unserviceable items. The recoverability code is entered in the fifth position of the SMR Code as follows:

<u>Recoverability codes</u>	<u>Application/Explanation</u>
-----------------------------	--------------------------------

- Z - Nonreparable item. When unserviceable, condemn and dispose of the item at the category of maintenance shown in the third position of SMR code.
- O - Reparable item. When uneconomically repairable, condemn and dispose of the item at organizational or aviation unit category.
- F - Reparable item. When uneconomically repairable, condemn and dispose of the item at direct support or aviation intermediate category.
- H - Reparable item. When uneconomically repairable, condemn and dispose of the item at general support category.
- D - Reparable item. When beyond lower category repair capability, return to depot. Condemnation and disposal of item not authorized below depot category.
- L - Reparable item. Condemnation and disposal not authorized below specialized repair activity (SRA).
- A - Item requires special handling or condemnation procedures because of specific reasons (e.g., precious metal content, high dollar value, critical material, or hazardous material). Refer to appropriate manuals/directives for specific instructions.

c. FSCM (Column (3)). The Federal Supply Code for Manufacturer (FSCM) is a 5-digit numeric code which is used to identify the manufacturer, distributor, or Government agency, etc., that supplies the item.

d. Part Number (Column (4)). Indicates the primary number used by the manufacturer (individual, company, firm, corporation, or Government activity), which controls the design and characteristics of the item by means of its engineering drawings, specifications, standards, and inspection requirements to identify an item or range of items.

NOTE

When you use an NSN to requisition an item, the item you receive may have a different part number from the part ordered.

e. Description and Usable on Code (UOC) (Column (5)). This column includes the following information.

(1) The Federal item name and, when required, a minimum description to identify the item.

(2) The statement "END OF FIGURE" appears just below the last item description in Column (5) for a given figure in both section II and section III.

f. Qty (Column (6)). Indicates the quantity of the item used in the breakout shown on the illustration figure, which is prepared for a functional group, subfunctional group, or an assembly. A "V" appearing in this column in lieu of a quantity indicates that the quantity is variable and the quantity may vary from application to application.

4. Explanation of Columns (Section IV)

a. National Stock Number (NSN) Index.

(1) Stock number column. This column lists the NSN by National item identification number (NIIN) sequence. The NIIN consists of the last nine digits of the NSN. When using this column to locate an item, ignore the first four digits of the NSN. When requisitioning items use the complete NSN (13 digits).

(2) Fig. column. This column lists the number of the figure where the item is identified/located. The illustrations are in numerical sequence in sections II and III.

(3) Item column. The item number identifies the item associated with the figure listed in the adjacent Fig. column. This item is also identified by the NSN listed on the same line.

b. Part Number Index. Part numbers in this index are listed by part number in ascending alphabetic sequence.

(1) FSCM column. This column lists the Federal supply code for manufacturer (FSCM).

(2) Part number column. This column indicates the part number assigned to the item.

(3) Stock number column. This column lists the National stock number for the associated part number and manufacturer identified in the part number and FSCM columns to the left.

(4) Fig. column. This column lists the number of the figure where the item is identified/located in sections II and III.

(5) Item column. The item number is that number assigned to the item as it appears in the figure referenced in the adjacent figure number column.

c. Figure and Item Number Index.

(1) Fig. column. This column lists the number of the figure where the item is identified/located in sections II and III.

(2) Item column. The item number is that number assigned to the item as it appears in the figure referenced in the adjacent figure number column.

(3) Stock number column. This column lists the National stock number for the item.

(4) FSCM column. The Federal supply code for manufacturer (FSCM) is a 5-digit numeric code used to identify the manufacturer, distributor, or Government agency, etc., that supplies the item.

(5) Part number column. Indicates the primary number used by the manufacturer (individual, firm, corporation, or Government activity), which controls the design and characteristics of the item by means of its engineering drawings, specifications, standards, and inspection requirements to identify an item or range of item.

5. Special Information

a. Associated Publications. The publications listed below pertain to the AN/VRC-12 Series and their components:

TM 11-5820-401-12, Radio Sets AN/VRC-2, AN/VRC-43 through -49, Mounting Kit MT-1029/VRC and MT-1898/VRC; Antenna Kit AT-912/VRC; Control Frequency Selector C-2742 and Control Radio Set C-2299/VRC.

SB 11-638, Application, Installation, Maintenance and Testing of Suppressor Electrical Transient.

b. National Stock Numbers. National stock numbers (NSN's) that are missing from P source coded items have been applied for and will be added to this TM by future change/revision when they are entered in the Army Master Data File (AMDF). Until the NSN's are established and published, submit exception requisitions to: Commander, US Army Communications-Electronics Command and Fort Monmouth, ATTN: AMSEL-LC-MM, Fort Monmouth, NJ 07703-5000 for the part required to support your equipment.

6. How to Locate Repair Parts

a. When National stock number or part number is not known.

(1) First. Using the table of contents, determine the assembly group or subassembly group to which the item belongs. This is necessary since figures are prepared for assembly groups and subassembly groups, and listings are divided into the same groups.

(2) Second. Find the figure covering the assembly group or subassembly group to which the item belongs.

(3) Third. Identify the item on the figure and note the item number.

(4) Fourth. Refer to the Repair Parts List for the figure to find the part number for the item number noted on the figure.

(5) Fifth. Refer to the Part Number Index to find the NSN, if assigned.

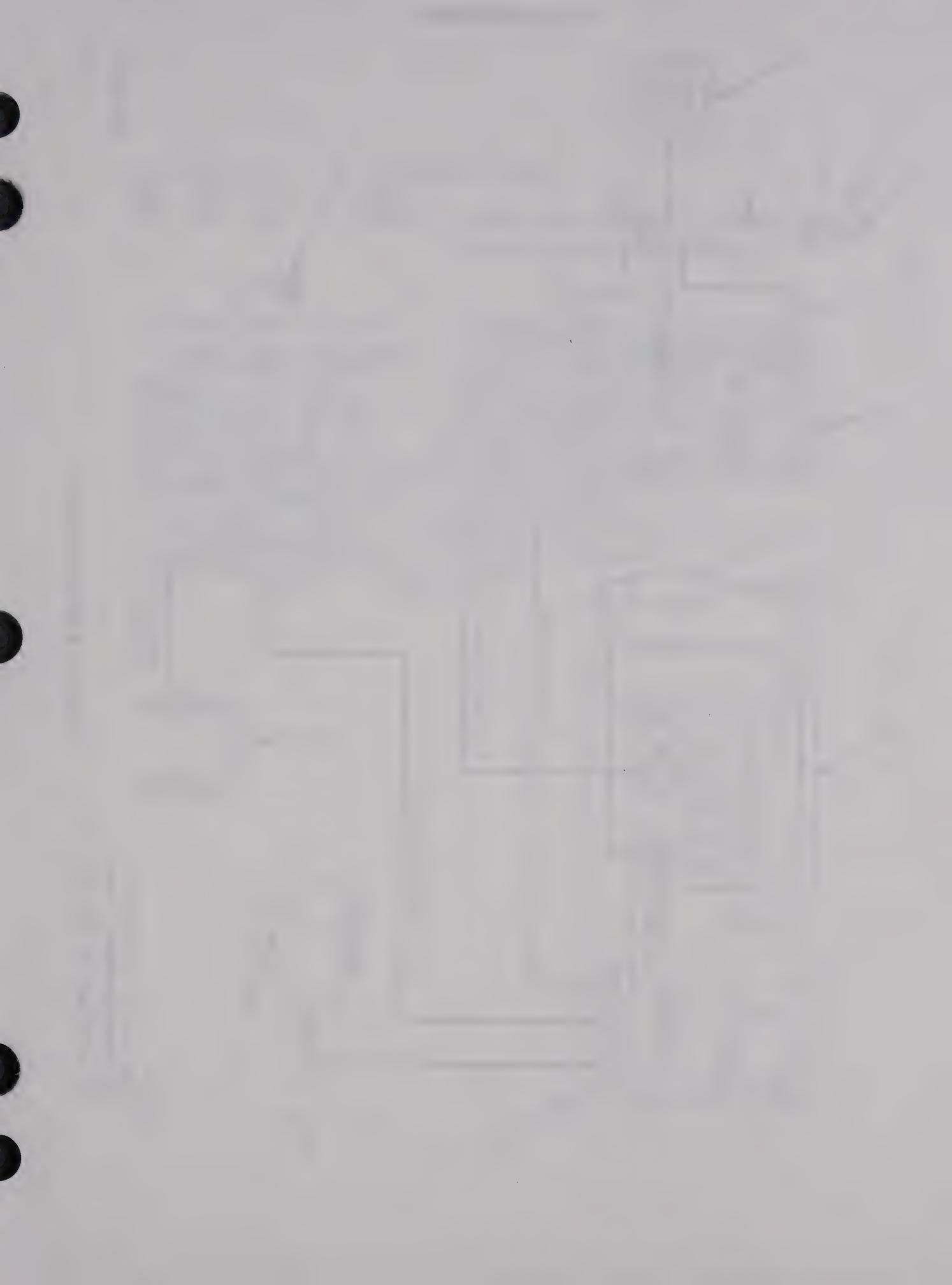
b. When National stock number or part number is known.

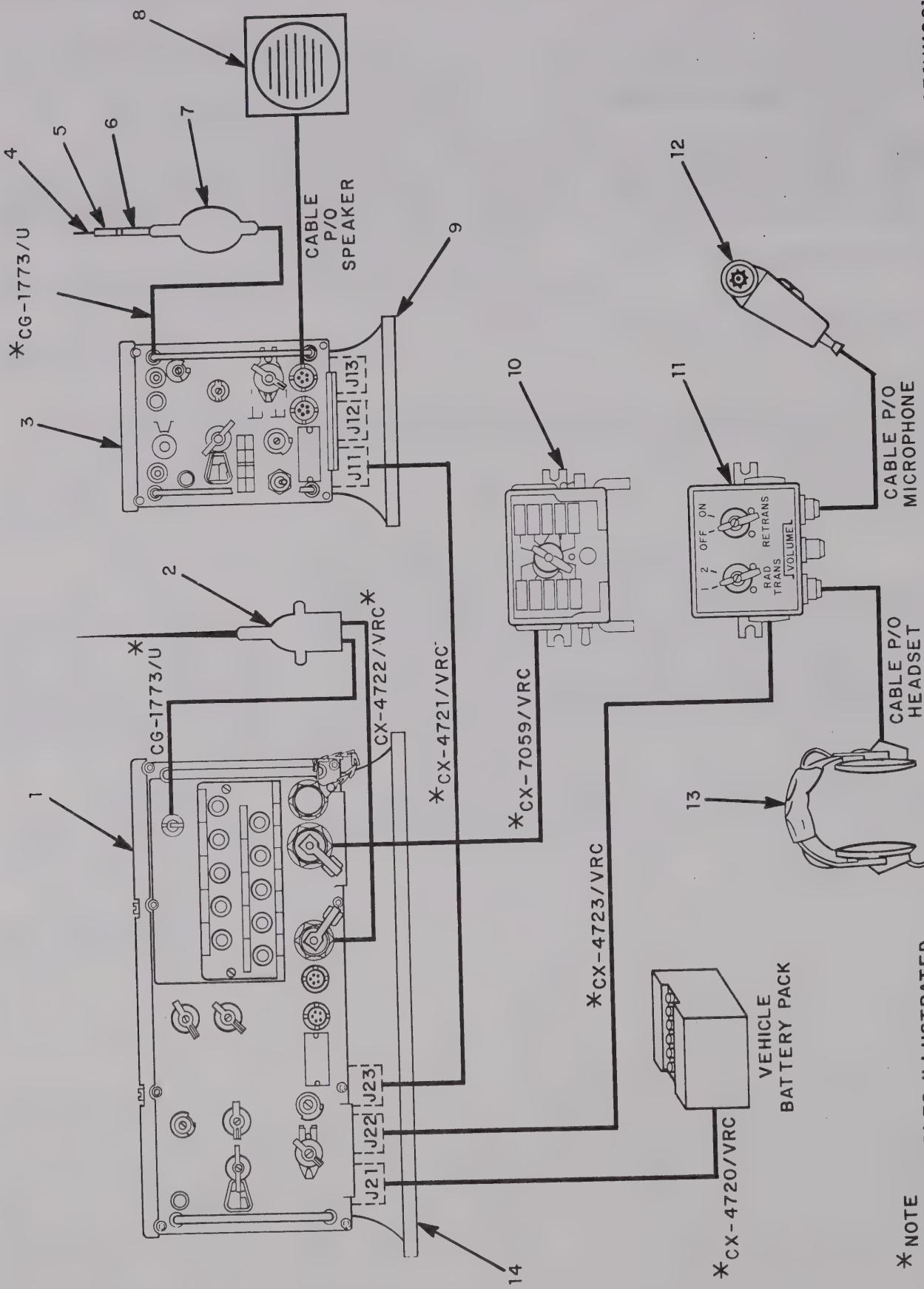
(1) First. Using the index of National stock numbers and part numbers, find the pertinent National stock number or part number. The NSN index is in National item identification number (NIIN) sequence (para 4a(1)). The part numbers in the part number index are listed in ascending alphabetic sequence (para 4b). Both indexes cross-reference you to the illustration figure and item number of the item you are looking for.

(2) Second. After finding the figure and item number, verify that the item is the one you're looking for, then locate the item number in the repair parts list for the figure.

7. Abbreviations

Not applicable.





CE1VM001

Figure 1. Radio Set AN/VRC-12.

* NOTE
THE CABLES ILLUSTRATED,
ARE FOR REFERENCE ONLY.
FOR INSTALLATION SEE SB11-131

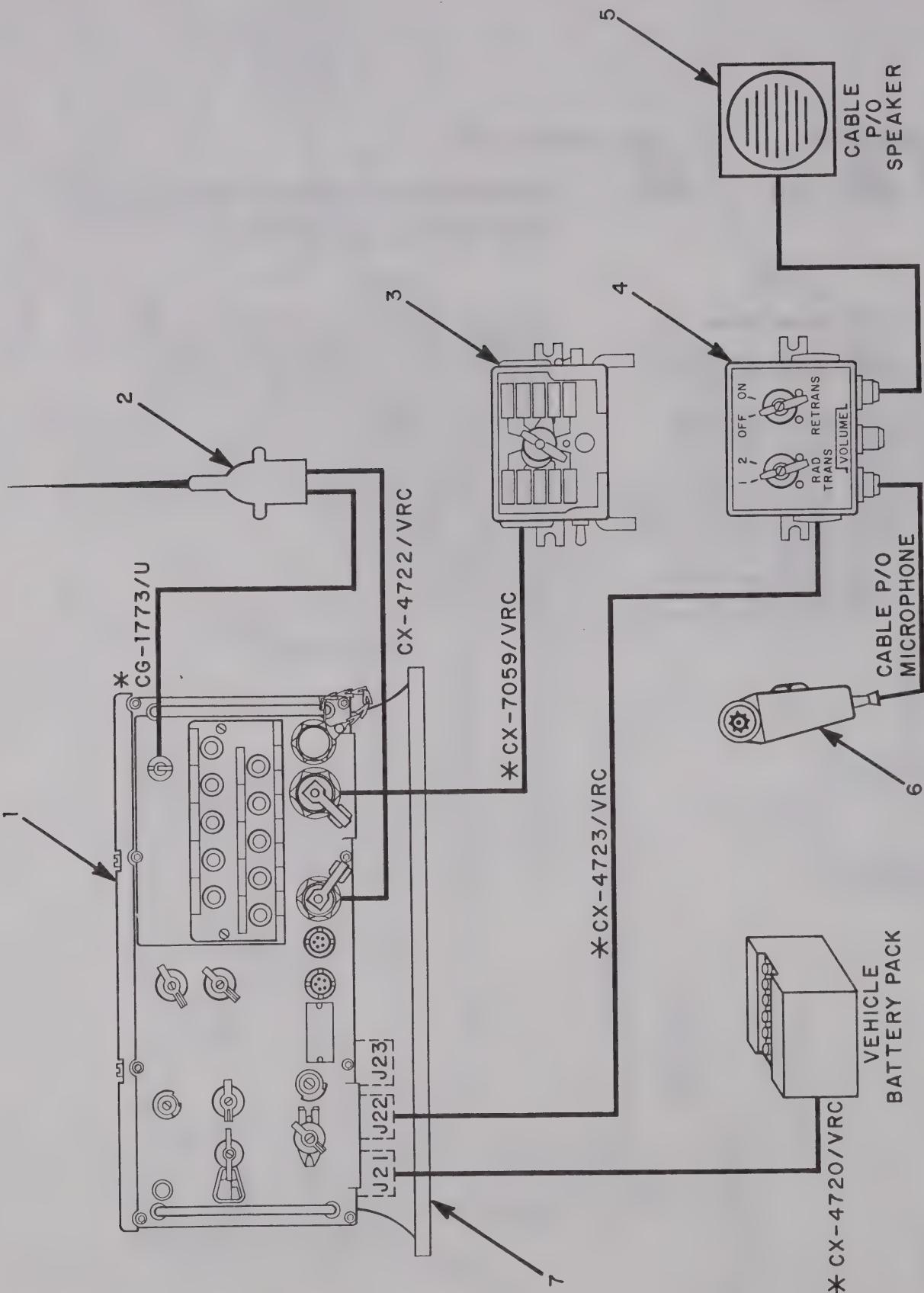
SECTION II			TM11-5820-401-20P	(5)	(6)
(1)	(2)	(3)	(4)	PART	
ITEM NO	SMR CODE	FSCM	NUMBER	DESCRIPTION AND USABLE ON CODES(UOC)	QTY
GROUP 00 RADIO SET AN/VRC-12					

FIGURE 1

1	PDODD	80058	RT246/VRC
2	PAOHH	80058	AS-1729/VRC
3	PDODD	80058	R442/VRC
4	PAOZZ	80058	MS-118A
5	PAOZZ	80058	MS-117A
6	PAOZZ	80058	MS-116A
7	PAOZZ	80058	AB-15/GR
8	PAOZZ	80058	LS-454/U
9	PAOFF	80058	MT-1898/VRC
10	PAOHH	80058	C-2742/VRC
11	PAOFF	80058	C-2299/VRC
12	PAOZZ	80058	M-80C/U
13	PAOZZ	80058	H-140B/U
13	PAOZZ	81349	H-251A/U
14	PAOFF	80058	MT-1029/VRC

RECEIVER TRANSMITTER	RT-246/VRC OR	1
RT-246A/VRC	.....	1
ANTENNA	AS-1729/VRC	1
RECEIVER, RADIO	R442/VRC OR R442A/VRC	1
ANTENNA ELEMENT	.....	1
ANTENNA ELEMENT	.....	1
MAST SECTION	.....	1
BASE, MAST	.....	1
LOUDSPEAKER, PERMANENT	.....	2
BASE, ELECTRICAL EQUIPMENT	.....	1
CONTROL, FREQUENCY SELECTOR	.....	1
CONTROL, RADIO SET	.....	1
MICROPHONE, DYNAMIC	.....	1
HEADSET OR	.....	1
HEADSET, ELECTRICAL	.....	1
MOUNTING	.....	1

END OF FIGURE



*** (NOTE)**
 THE CABLES ILLUSTRATED, ARE FOR REFERENCE ONLY.
 FOR INSTALLATION SEE SB11-131

Figure 2. Radio Set AN/VR-C-43.

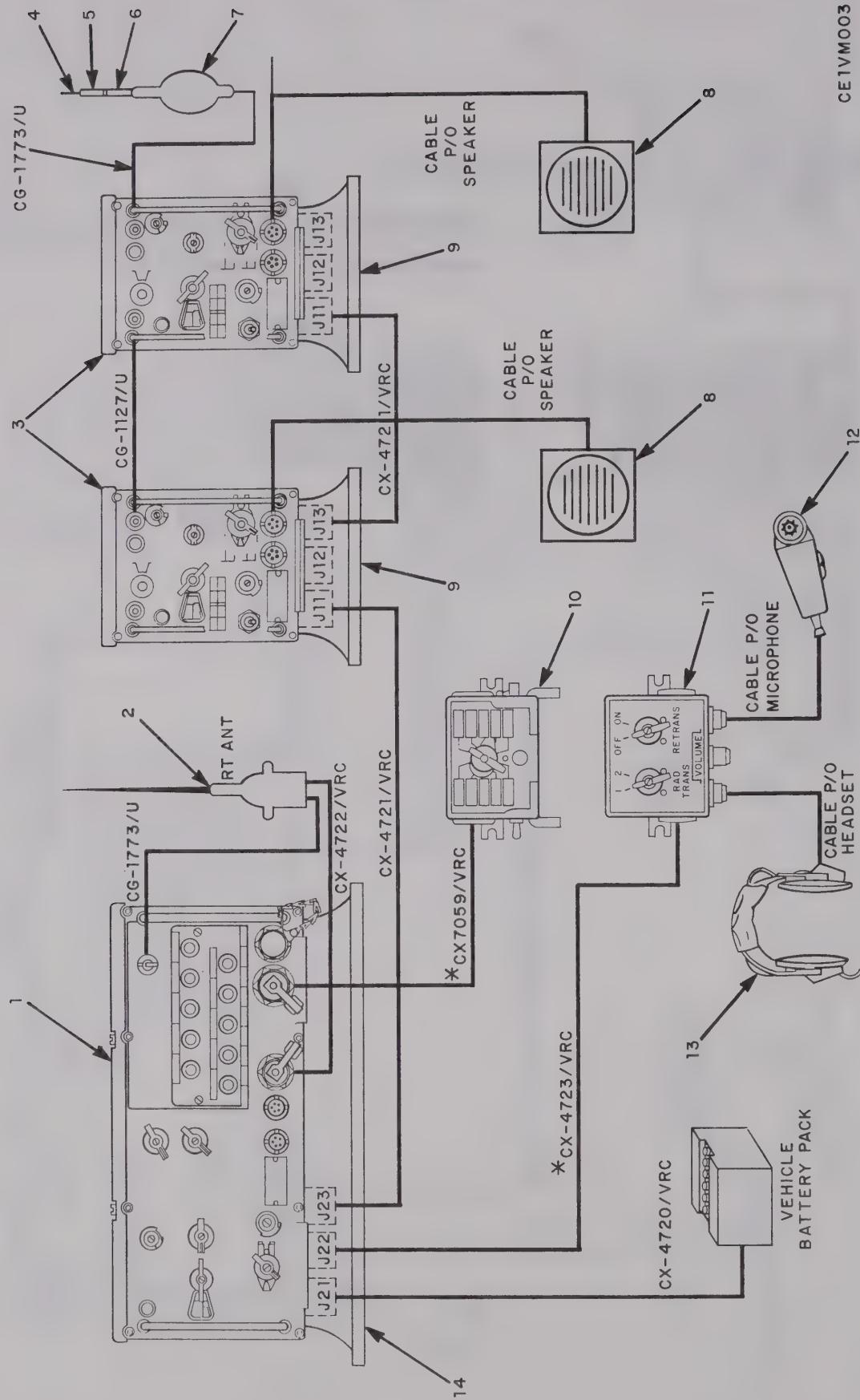
CE1VMO002

SECTION II			TM11-5820-401-20P	(5)	(6)
(1) ITEM NO	(2) SMR CODE	(3) FSCM	(4) PART NUMBER	DESCRIPTION AND USABLE ON CODES(UOC) QTY	
GROUP 00 RADIO SET AN/VRC-43					

FIGURE 2

1 PDODD 80058	RT-246/VRC	RECEIVER-TRANSMITTER.....	1
2 PAOHH 80058	AS-1729/VRC	ANTENNA.....	1
3 PAOHH 80058	C-2742/VRC	CONTROL, FREQUENCY S.....	1
4 PAOFF 80058	C-2299/VRC	CONTROL, RADIO SET.....	1
5 PAOZZ 80058	LS-454/U	LOUDSPEAKER, PERMANENT.....	1
6 PAOZZ 80058	M-80C/U	MICROPHONE, DYNAMIC.....	1
7 PAOFF 80058	MT-1029/VRC	MOUNTING.....	1

END OF FIGURE



*(NOTE) THE CABLES ILLUSTRATED ARE FOR REFERENCE ONLY.

FOR INSTALLATION SEE SB11-131 Figure 3. Radio Set AN/VRC-44.

SECTION II			TM11-5820-401-20P	(5)	(6)
(1) ITEM NO	(2) SMR CODE	(3) FSCM	(4) PART NUMBER	DESCRIPTION AND USABLE ON CODES(UOC)	QTY
GROUP 00 RADIO SET AN/VRC-44					

FIGURE 3

1 PDODD 80058	RT-246/VRC	RECEIVER-TRANSMITTER.....	1
2 PAOHH 80058	AS-1729/VRC	ANTENNA.....	1
3 PDODD 80058	R442/VRC	RECEIVER RADIO.....	2
4 PAOZZ 80058	MS-118A	ANTENNA ELEMENT.....	1
5 PAOZZ 80058	MS-117A	ANTENNA ELEMENT.....	1
6 PAOZZ 80058	MS-116A	MAST SECTION.....	1
7 PAOZZ 80058	AB-15/GR	BASE,MAST.....	1
7 PAOZZ 80058	AB-450/GR	SUPPORT ANTENNA.....	1
8 PAOZZ 80058	LS-454/U	LOUDSPEAKER,PERMANENT.....	2
9 PAOFF 80058	MT-1898/VRC	BASE,ELECTRICAL EQU.....	2
10 PAOHH 80058	C-2742/VRC	CONTROL,FREQUENCY S.....	1
11 PAOFF 80058	C-2299/VRC	CONTROL,RADIO SET.....	1
12 PAOZZ 80058	M-80C/U	MICROPHONE,DYNAMIC.....	1
13 PAOZZ 80058	H-140B/U	HEADSET OR.....	1
13 PAOZZ 80058	H-251A/U	HEADSET,ELECTRICAL.....	1
14 PAOFF 80058	MT-1029/VRC	MOUNTING.....	1

END OF FIGURE

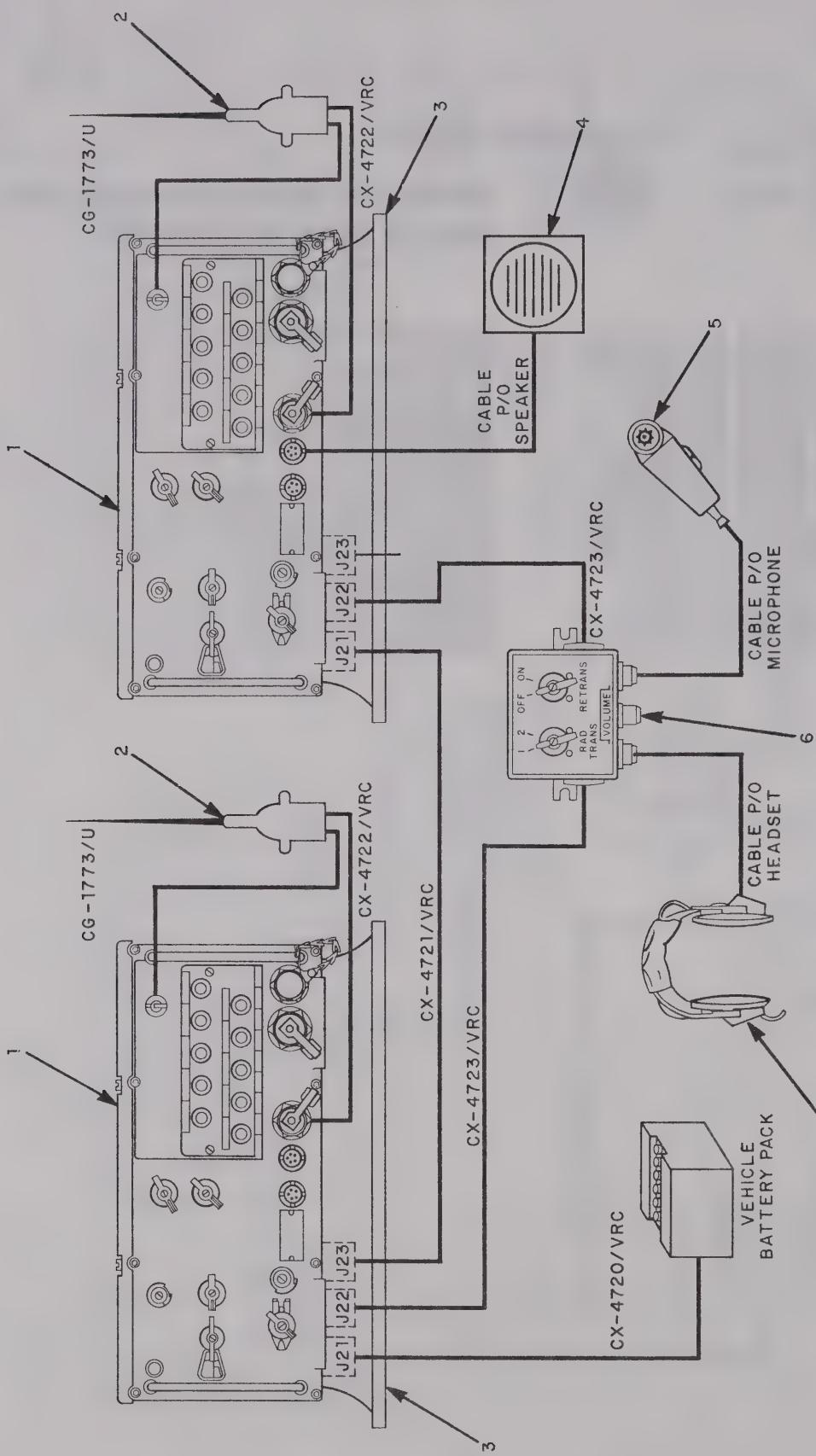


Figure 4. Radio Set AN/VRC-45.

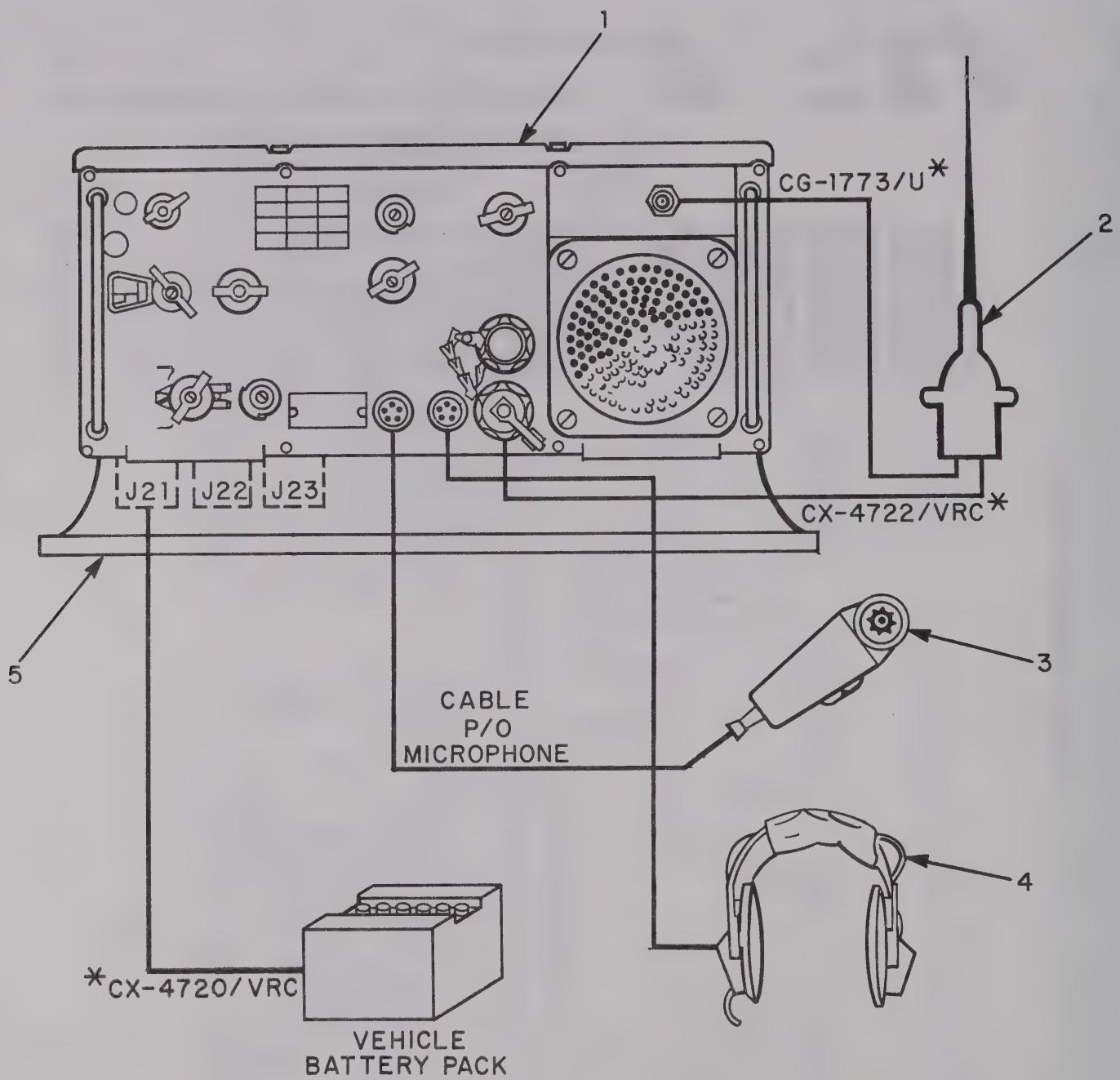
CE1VMO04

SECTION II			TM11-5820-401-20P	(5)	(6)
(1) ITEM NO	(2) SMR CODE	(3) FSCM	(4) PART NUMBER	DESCRIPTION AND USABLE ON CODES(UOC)	QTY
GROUP 00 RADIO SET AN/VRC-45					

FIGURE 4

1 PDDODD 80058	RT-246/VRC	RECEIVER-TRANSMITTER.....	2
2 PAOHH 80058	AS-1729/VRC	ANTENNA.....	2
3 PAOFF 80058	MT-1029/VRC	MOUNTING.....	2
4 PAOZZ 80058	LS-454/U	LOUDSPEAKER, PERMANENT.....	1
5 PAOZZ 80058	M-80C/U	MICROPHONE, DYNAMIC.....	1
6 PAOFF 80058	C-2299/VRC	CONTROL, RADIO SET.....	1
7 PAOZZ 80058	H-140B/U	HEADSET OR.....	1
7 PAOZZ 80058	H-251A/U	HEADSET, ELECTRICAL.....	1

END OF FIGURE



***(NOTE)**

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FOR INSTALLATION SEE SB11-131

CE1VM005

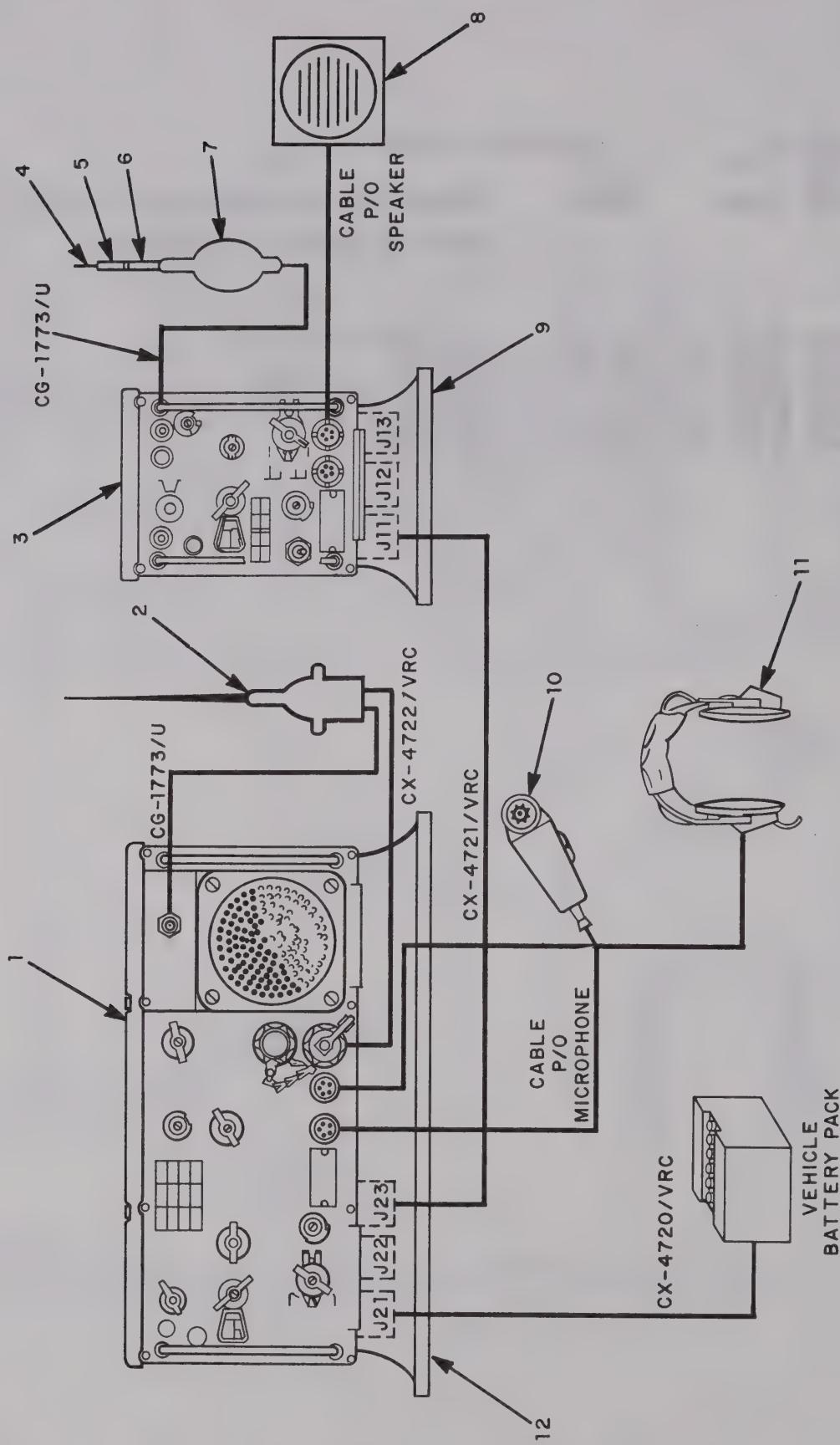
Figure 5. Radio Set AN/VRC-46.

SECTION II TM11-5820-401-20P
 (1) (2) (3) (4) (5) (6)
 ITEM SMR PART
 NO CODE FSCM NUMBER DESCRIPTION AND USABLE ON CODES(UOC) QTY
 GROUP 00 RADIO SET AN/VRC-46

FIGURE 5

1	PDODD	80058	RT-524A/VRC	RECEIVER-TRANSMITTER.....	1
2	PAOHH	80058	AS-1729/VRC	ANTENNA.....	1
3	PAOZZ	80058	M-80C/U	MICROPHONE, DYNAMIC.....	1
4	PAOZZ	80058	H-140B/U	HEADSET ELECTRICAL OR.....	1
4	PAOZZ	81349	H-251A/U	HEADSET, ELECTRICAL.....	1
5	PAOFF	80058	MT-1029/VRC	MOUNTING.....	1

END OF FIGURE



*** (NOTE)**
 THE CABLES ILLUSTRATED, ARE FOR REFERENCE ONLY.
 FOR INSTALLATION SEE 3B11-131

CE1VMO006

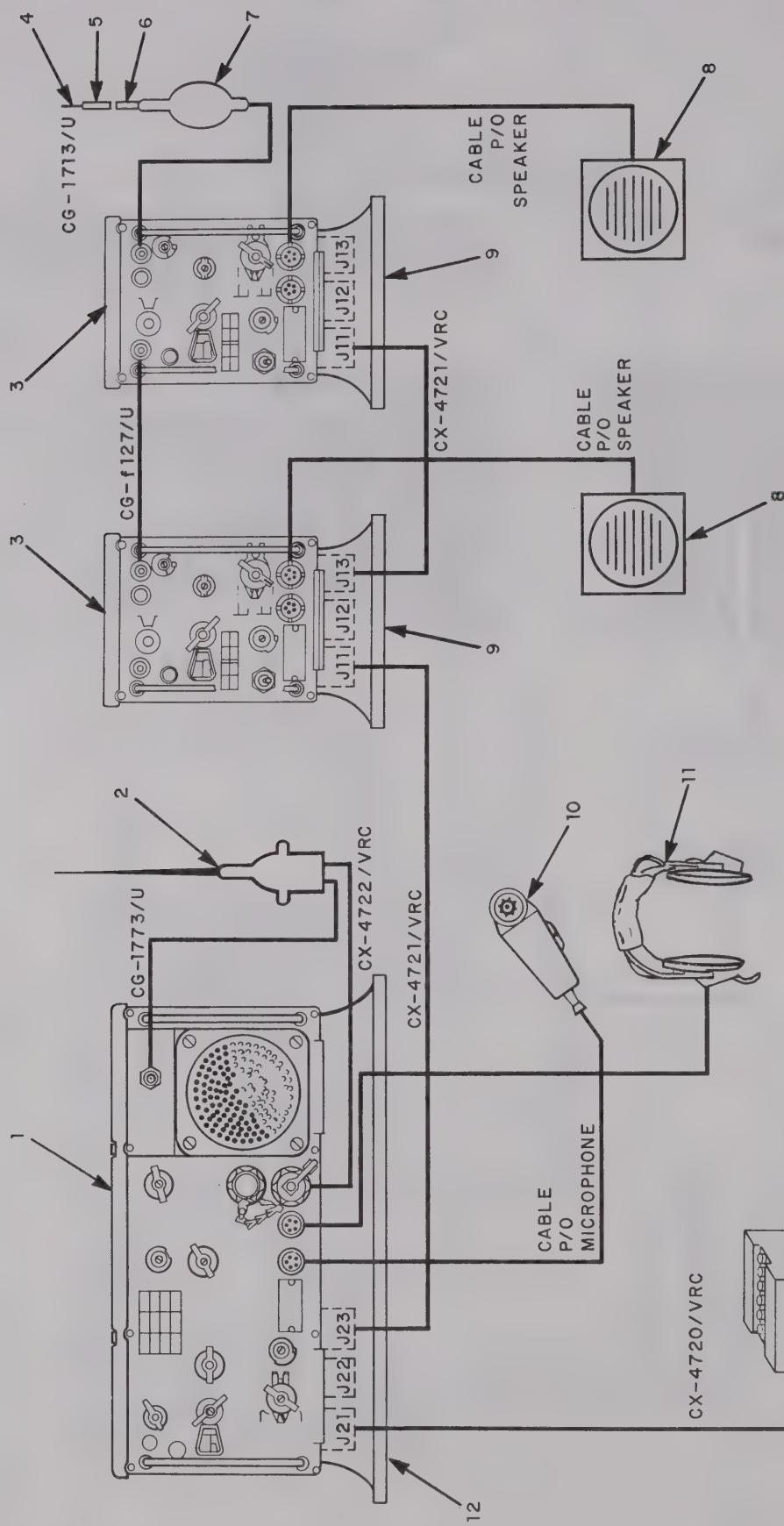
Figure 6. Radio Set AN/VRC-47.

SECTION II			TM11-5820-401-20P	(5)	(6)
(1) ITEM NO	(2) SMR CODE	(3) FSCM	(4) PART NUMBER	DESCRIPTION AND USABLE ON CODES(UOC)	QTY
GROUP 00 RADIO SET AN/VRC-47					

FIGURE 6

1 PDDODD 80058	RT-524A/VRC	RECEIVER-TRANSMITTER.....	1
2 PAOHH 80058	AS-1729/VRC	ANTENNA.....	1
3 PDDODD 80058	R442/VRC	RECEIVER RADIO.....	1
4 PAOZZ 80058	MS-118A	ANTENNA ELEMENT.....	1
5 PAOZZ 80058	MS-117A	ANTENNA ELEMENT.....	1
6 PAOZZ 80058	MS-116A	MAST SECTION.....	1
7 PAOZZ 80058	AB-15/GR	BASE,MAST.....	1
8 PAOZZ 80058	LS-454/U	LOUDSPEAKER,PERMANENT.....	1
9 PAOFF 80058	MT-1898/VRC	BASE,ELECTRICAL EQU.....	1
10 PAOZZ 80058	M-80C/U	MICROPHONE,DYNAMIC.....	1
11 PAOZZ 81349	H-251A/U	HEADSET,ELECTRICAL DR.....	1
11 PAOZZ 81349	H-251A/U	HEADSET,ELECTRICAL.....	1
12 PAOFF 80058	MT-1029/VRC	MOUNTING.....	1

END OF FIGURE



* (NOTE)
THE CABLES ILLUSTRATED, ARE FOR REFERENCE ONLY.
FOR INSTALLATION SEE SB11-131

CE1VMO07

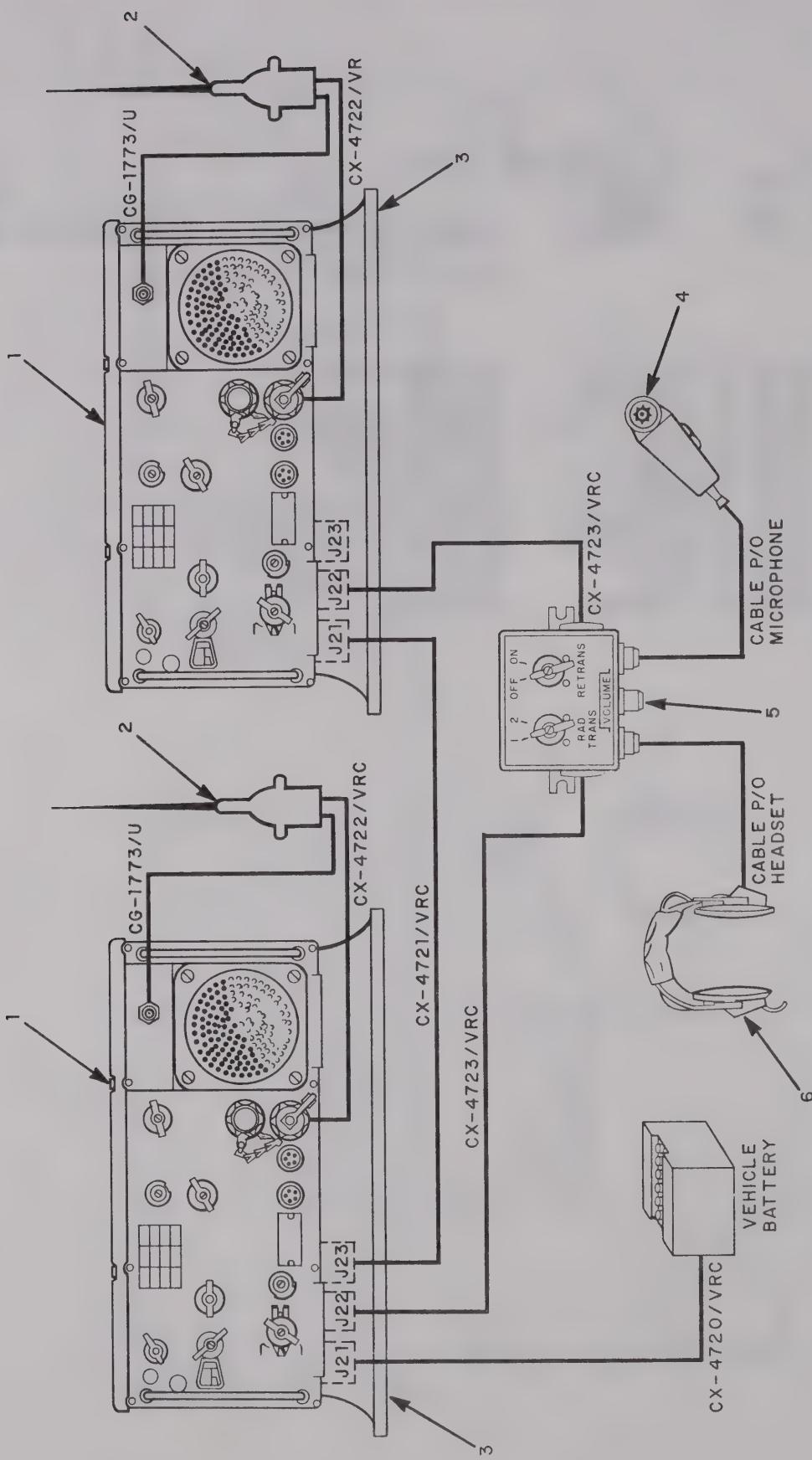
Figure 7. Radio Set AN/VRC-48.

SECTION II			TM11-5820-401-20P	(5)	(6)
ITEM NO	SMR CODE	FSCM	PART NUMBER	DESCRIPTION AND USABLE ON CODES(UOC)	QTY
GROUP 00 RADIO SET AN/VRC-48					

FIGURE 7

1	PDODD	80058	RT-524A/VRC	RECEIVER-TRANSMITTER.....	1
2	PAOHH	80058	AS-1729/VRC	ANTENNA.....	1
3	PDODD	80058	R442/VRC	RECEIVER RADIO.....	2
4	PAOZZ	80058	MS-118A	ANTENNA ELEMENT.....	1
5	PAOZZ	80058	MS-117A	ANTENNA ELEMENT.....	1
6	PAOZZ	80058	MS-116A	MAST SECTION.....	1
7	PAOZZ	80058	AB-15/GR	BASE,MAST.....	1
8	PAOZZ	80058	LS-454/U	LOUDSPEAKER,PERMANENT.....	2
9	PAOFF	80058	MT-1898/VRC	BASE,ELECTRICAL EQUIPMENT.....	2
10	PAOZZ	80058	M-80C/U	MICROPHONE,DYNAMIC.....	1
11	PAOZZ	80058	H-140B/U	HEADSET OR.....	1
11	PAOZZ	81349	H-251A/U	HEADSET,ELECTRICAL.....	1
12	PAOFF	80058	MT-1029/VRC	MOUNTING.....	1

END OF FIGURE



*(NOTE)
THE CABLES ILLUSTRATED
ARE FOR REFERENCE ONLY.
FOR INSTALLATION SEE SB11-131

CE1VM008

Figure 8. Radio Set AN/VRC-49.

SECTION II			TM11-5820-401-20P	(5)	(6)
(1) ITEM NO	(2) SMR CODE	(3) FSCM	(4) PART NUMBER	DESCRIPTION AND USABLE ON CODES(UOC) QTY	
GROUP 00 RADIO SET AN/VRC-49					

FIGURE 8

1	PDODD	80058	RT-524A/VRC
2	PAOHH	80058	AS-1729/VRC
3	PAOFF	80058	MT-1029/VRC
4	PAOZZ	80058	M-80C/U
5	PAOHD	80058	C-2299/VRC
6	PAOZZ	80058	H-140B/U
6	PAOZZ	80058	H-251A/U

RECEIVER-TRANSMITTER.....	2
ANTENNA.....	2
MOUNTING.....	2
MICROPHONE, DYNAMIC.....	1
CONTROL, RADIO SET.....	1
HEADSET OR.....	1
HEADSET, ELECTRICAL.....	1

END OF FIGURE

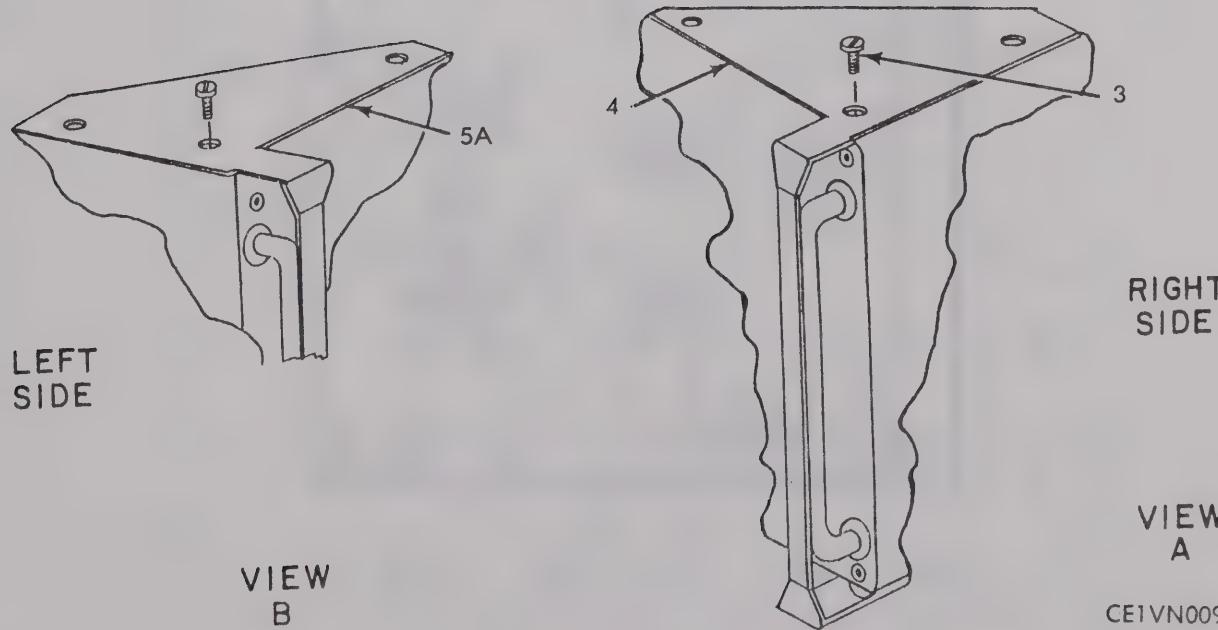
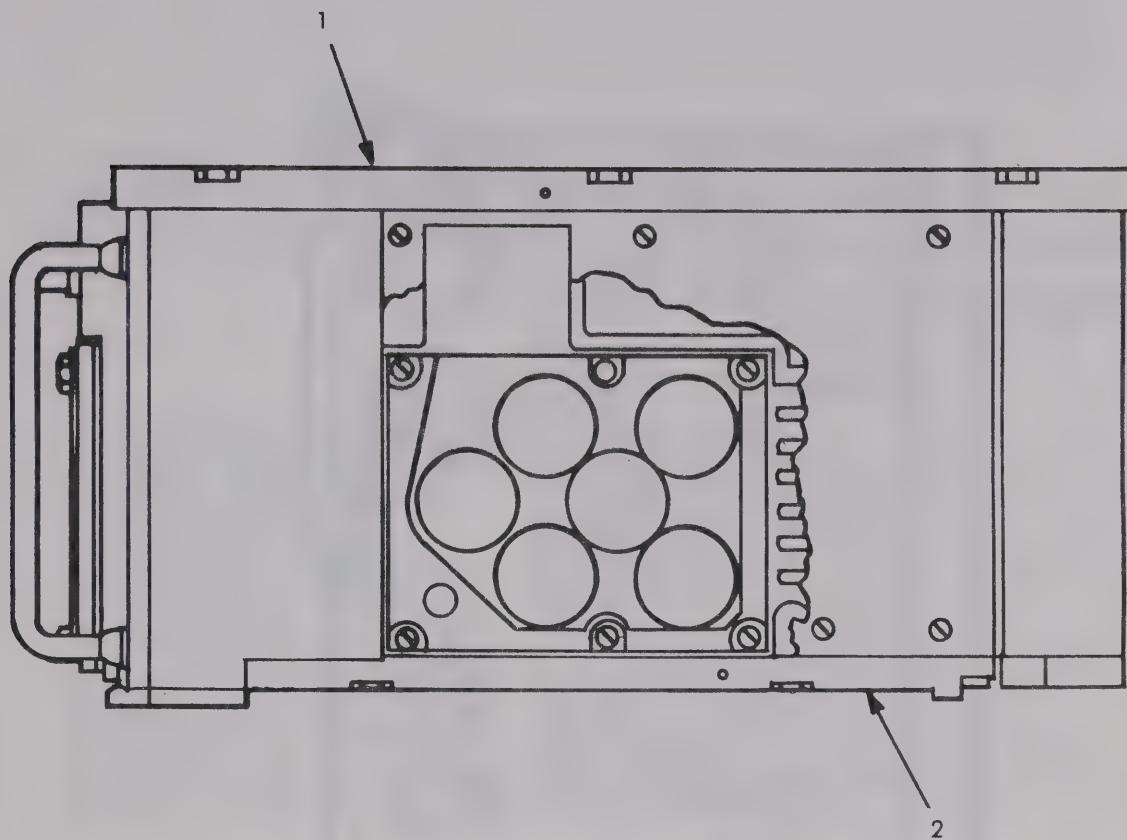


Figure 9. Receiver-Transmitter, Radio RT-246/VRC and RT-246A/VRC
(Sheet 1 of 2).

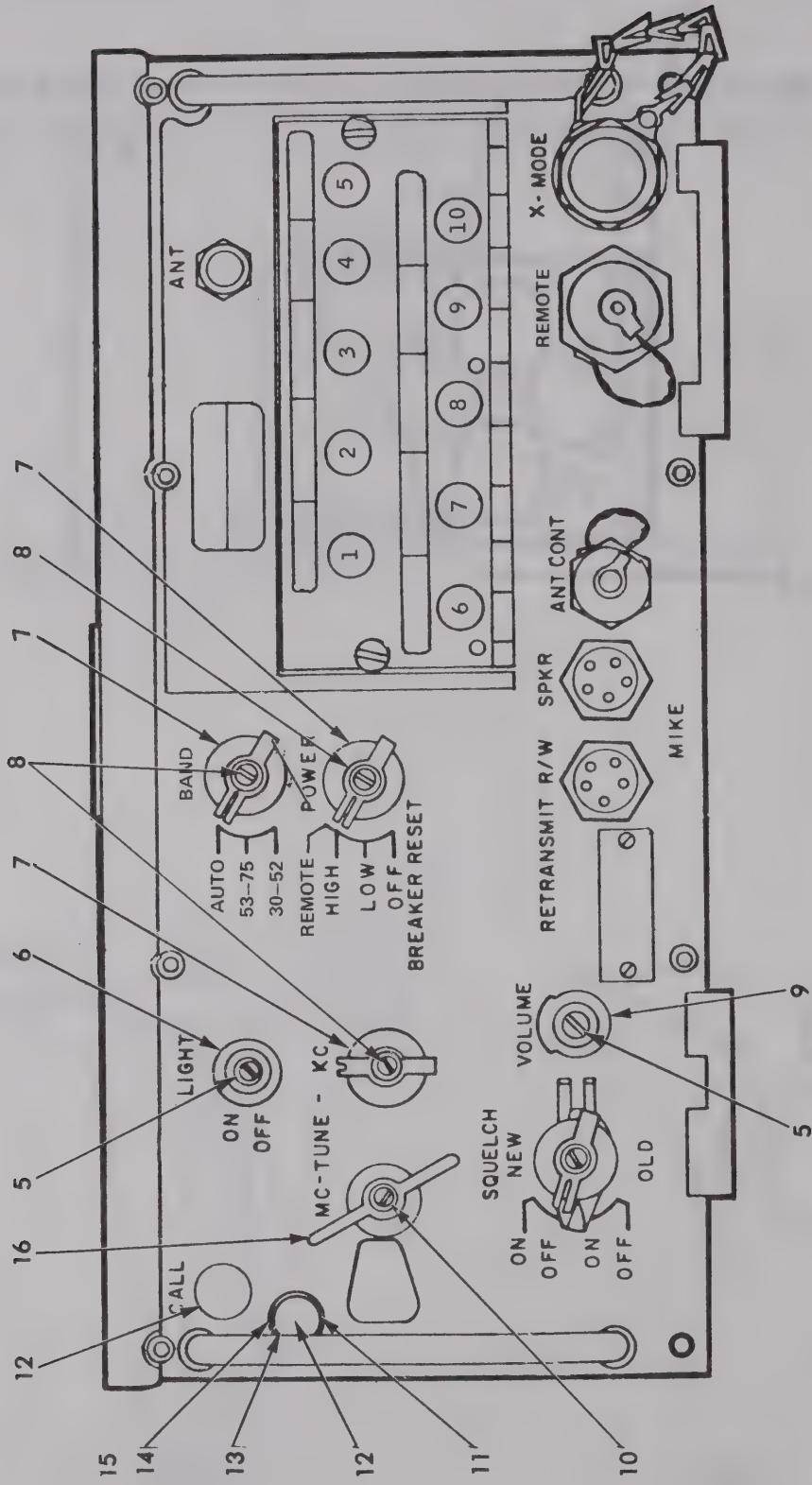


Figure 9. RT-246/VRC (Sheet 2 of 2).

SECTION II			TM11-5820-401-20P	(5)	(6)
(1) ITEM NO	(2) SMR CODE	(3) FSCM	(4) PART NUMBER	DESCRIPTION AND USABLE ON CODES(UOC)	QTY
GROUP 01 RECEIVER TRANSMITTER, RADIO RT=246/VRC AND RT-246A/VRC					

FIGURE 9

1 PAOFF 80063 SM-D-414297	COVER, ASSEMBLY.....	1
2 PAOFF 80063 SM-D-414288	COVER ASSEMBLIES.....	1
3 PAOZZ 14850 D1-8892B	SCREW, EXTERNALLY RE.....	7
4 PAOZZ 14850 A1-8882D	GUARD ASSY, RIGHT HA.....	1
5 PAOZZ 83512 S7892	NUT, SLEEVE.....	2
5A PAOZZ 14850 A1-8883D	GUARD ASSY LEFT.....	1
6 PAOZZ 80063 SM-C-414393	KNOB.....	1
7 PAOZZ 96906 MS91525-1	KNOB.....	4
8 PAOZZ 03038 LP35223-27	SCREW, SELF-LOCKING.....	4
9 PAOZZ 80063 SM-C-414399	KNOB.....	1
10 PAOZZ 80063 SM-B-283611-2	SCREW, SELF-LOCKING.....	1
11 PAOZZ 80063 SM-B-414407	CAP.....	1
12 PAOZZ 96906 MS25237-327	LAMP, INCANDESCENT.....	2
13 PAOZZ 81349 LC35YT2	LENS, LIGHT.....	1
14 PAOZZ 80063 SM-C-414409	CAP, END SEAL, ELECTR.....	1
15 PAOZZ 96906 MS28775-012	PACKING, PREFORMED.....	1
16 PAOZZ 80063 SM-C-414401	KNOB.....	1

END OF FIGURE

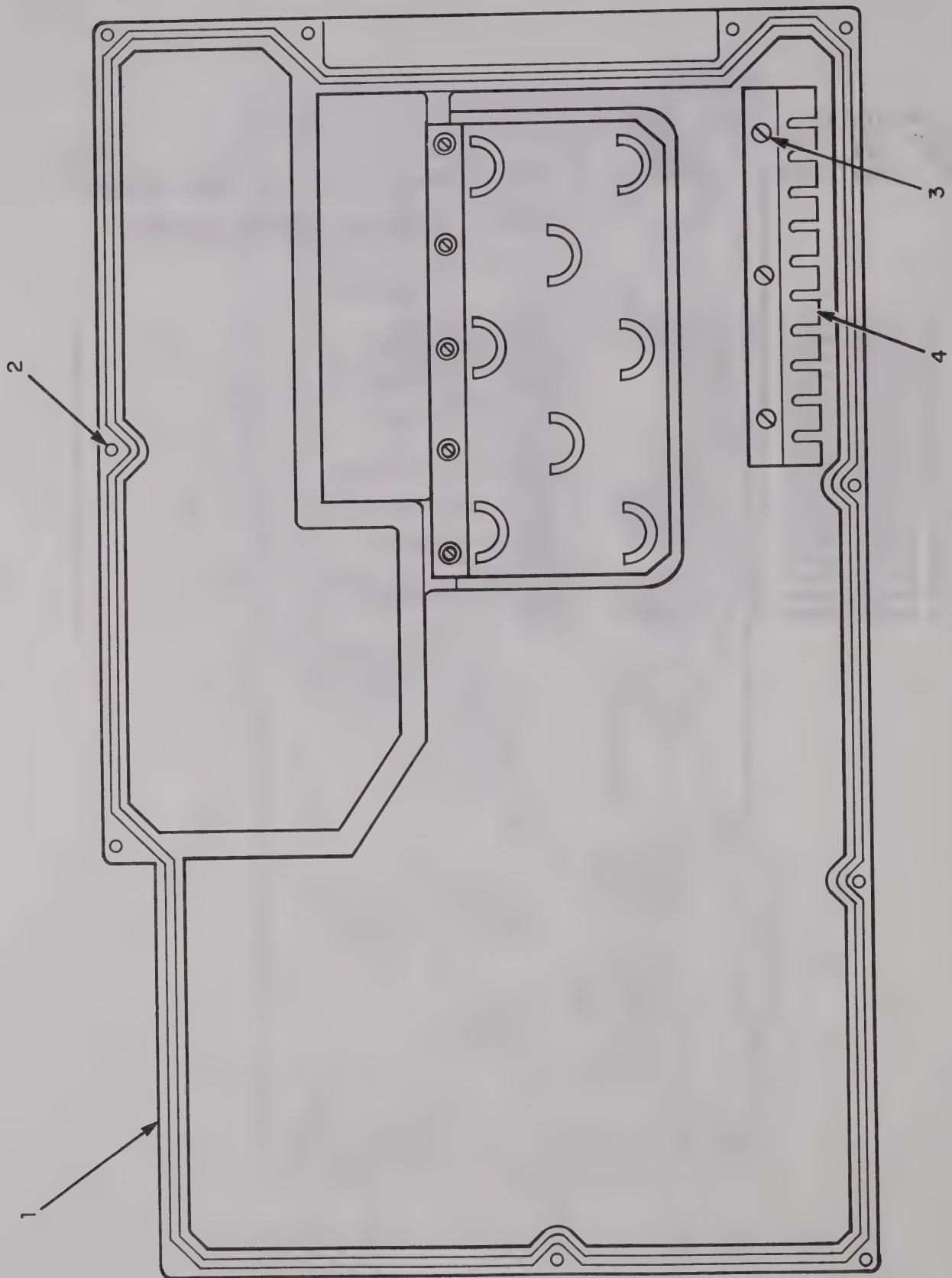


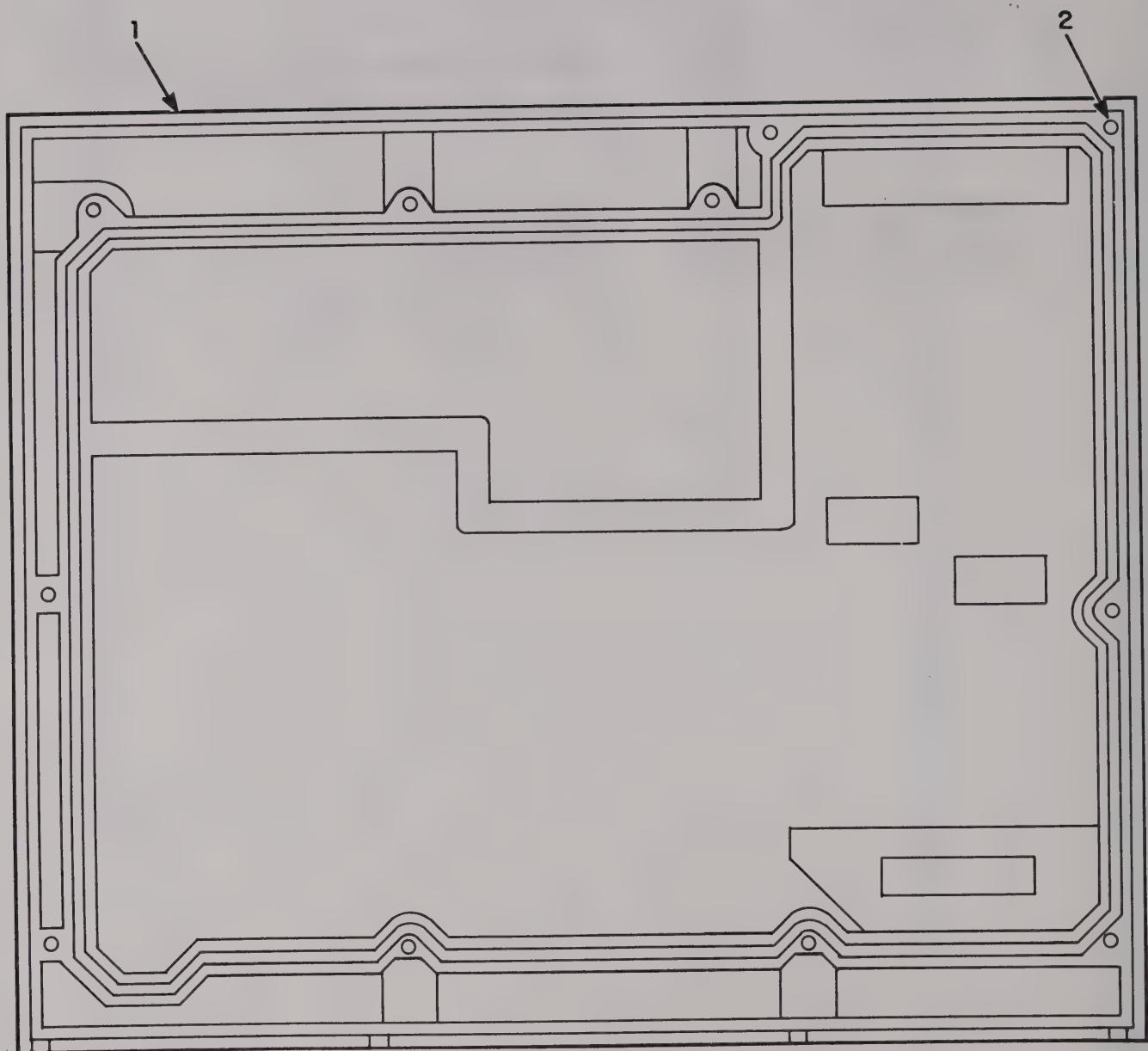
Figure 10. Cover Assembly, Bottom.

SECTION II			TM11-5820-401-20P	(5)	(6)
(1) ITEM NO	(2) SMR CODE	(3) FSCM	(4) PART NUMBER	DESCRIPTION AND USABLE ON CODES(UOC) QTY	
GROUP 0111 COVER ASSEMBLY,BOTTOM					

FIGURE 10

1 XAOHH 80063 SM-D-414294	COVER ASSEMBLY.....	1
2 PAOZZ 80063 SM-B-413532-1	SCREW, EXTERNALLY RE.....	11
3 PAOZZ 96906 MS35206-226	SCREW, MACHINE.....	3
4 PAOZZ 80063 SM-C-414291	CLIP, ELECTRICAL.....	1

END OF FIGURE



CE1VM011

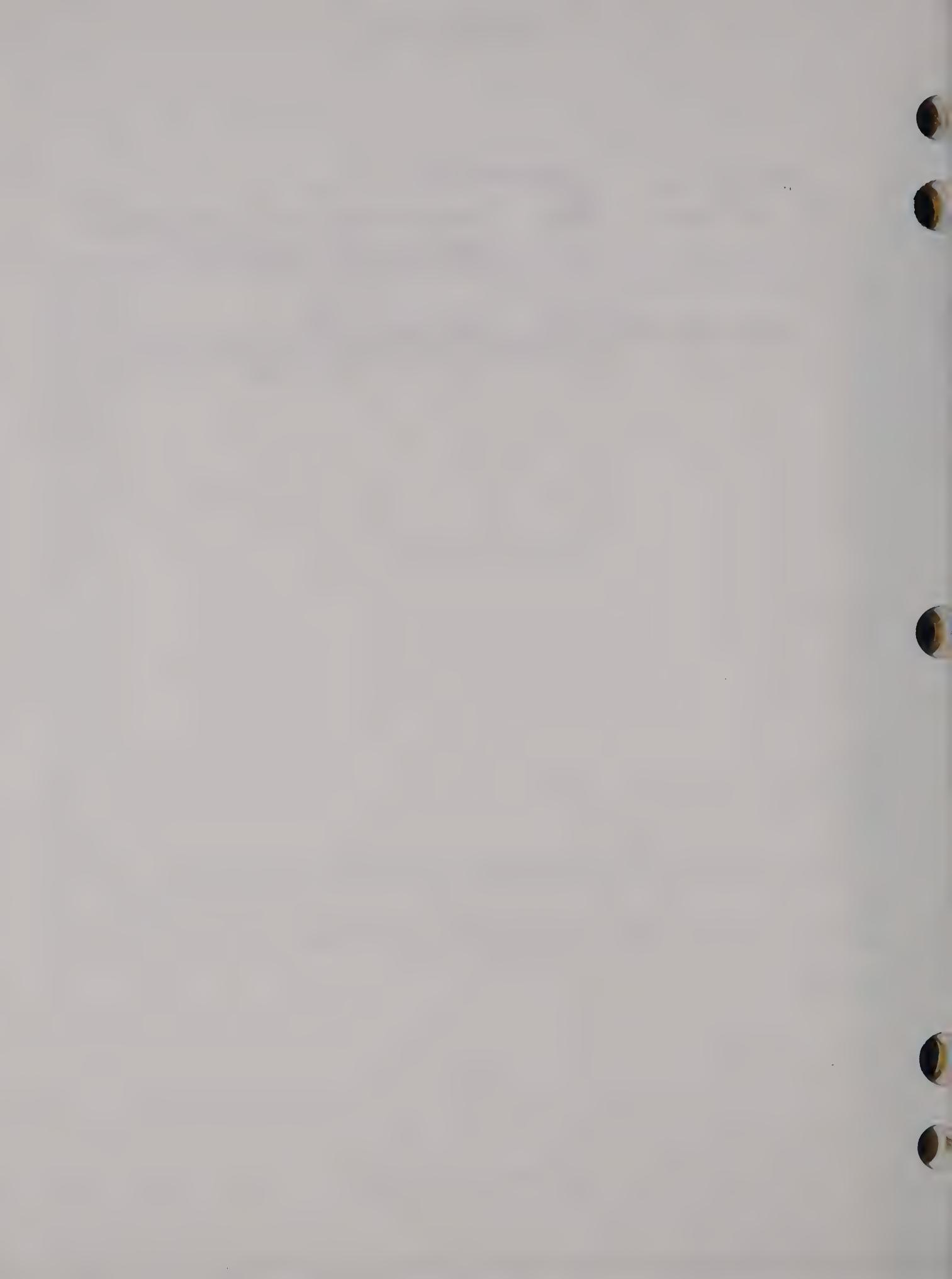
Figure 11. Cover Assembly, Top.

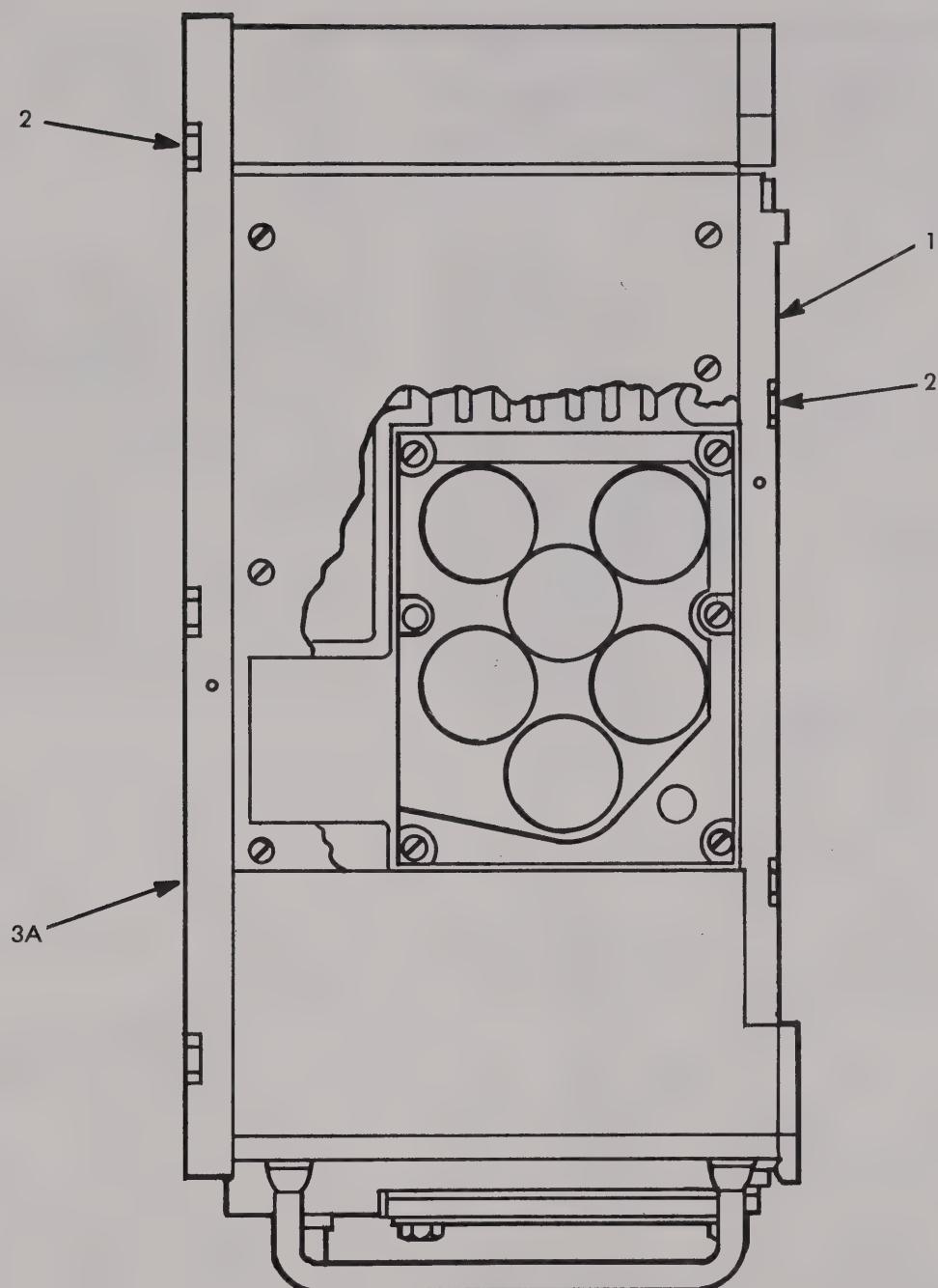
SECTION II			TM11-5820-401-20P	(5)	(6)
(1)	(2)	(3)	(4)		
ITEM NO	SMR CODE	FSCM	PART NUMBER	DESCRIPTION AND USABLE ON CODES(UOC)	QTY
GROUP 0112 COVER ASSEMBLY, TOP					

FIGURE 11

1 XAOZZ 80063 SM-D-414299	COVER, RECEIVER-TRAN.....	1
2 PAOZZ 80063 SM-B-413532-1	SCREW, EXTERNALLY RE.....	11

END OF FIGURE





CE1VM012

Figure 12. Receiver-Transmitter, Radio RT-254/VRC and RT-246A/VRC (Sheet 1 of 2).

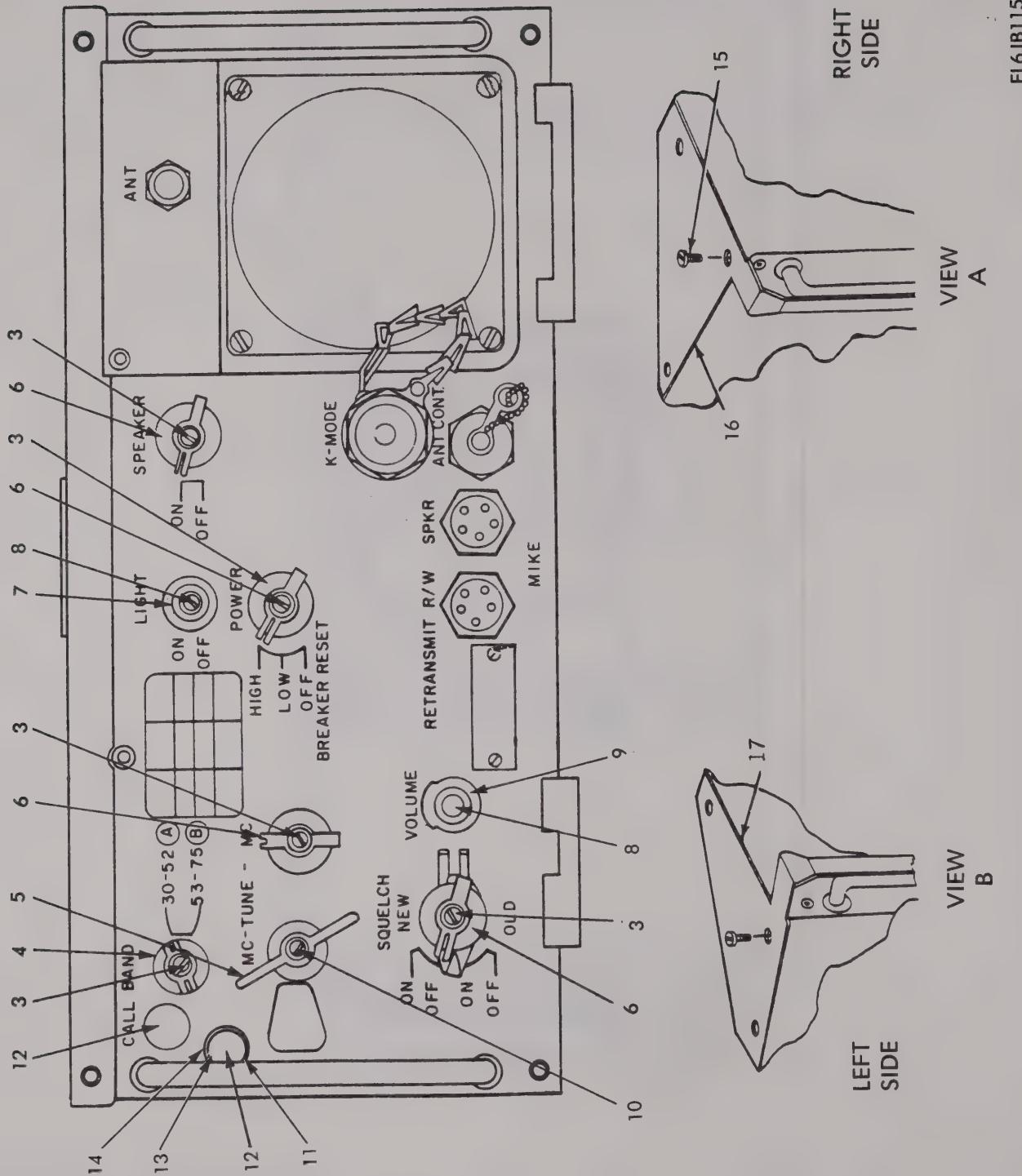


Figure 12. Receiver-Transmitter, Radio RT-524 and RT-524A/URC (Sheet 2 of 2).

EL6JB115

SECTION II			TM11-5820-401-20P	(5)	(6)
ITEM NO	(1) SMR CODE	(3) FSCM	(4) PART NUMBER	DESCRIPTION AND USABLE ON CODES(UOC) QTY	
GROUP 02 RECEIVER-TRANSMITTER, RADIO RT-524/VRC AND RT-524A/VRC					

FIGURE 12

1	XBOFF	80063	SM-D-318065	COVER ASSY.....	1
2	PAOZZ	80063	SM-B-413532-1	SCREW, EXTERNALLY RE.....	11
3	PAOZZ	03038	LP35223-27	SCREW, SELF-LOCKING.....	4
3A	PAOZZ	80063	SM-D-414297	COVER, ASSEMBLY.....	1
4	PAOZZ	80063	SM-C-447052	KNOB.....	1
5	PAOZZ	80063	SM-C-414401	KNOB.....	1
6	PAOZZ	96906	MS91525-1	KNOB.....	4
7	PAOZZ	80063	SM-C-414393	KNOB.....	1
8	PAOZZ	83512	S7892	NUT, SLEEVE.....	2
9	PAOZZ	80063	SM-C-414399	KNOB.....	1
10	PAOZZ	80063	SM-B-283611-2	SCREW, SELF-LOCKING.....	1
11	PAOZZ	80063	SM-B-414407	CAP.....	1
12	PAOZZ	96906	MS25237-327	LAMP, INCANDESCENT.....	2
13	PAOZZ	96906	MS28775-012	PACKING, PREFORMED.....	1
14	PAOZZ	80063	SM-C-414409	CAP, END SEAL, ELECTR.....	1
15	PAOZZ	14850	D1-8892B	SCREW, EXTERNALLY RE.....	7
16	PAOZZ	14850	A1-8882D	GUARD ASSY, RIGHT HA.....	1
17	PAOZZ	14850	A1-8883D	GUARD ASSEMBLY.....	1

END OF FIGURE

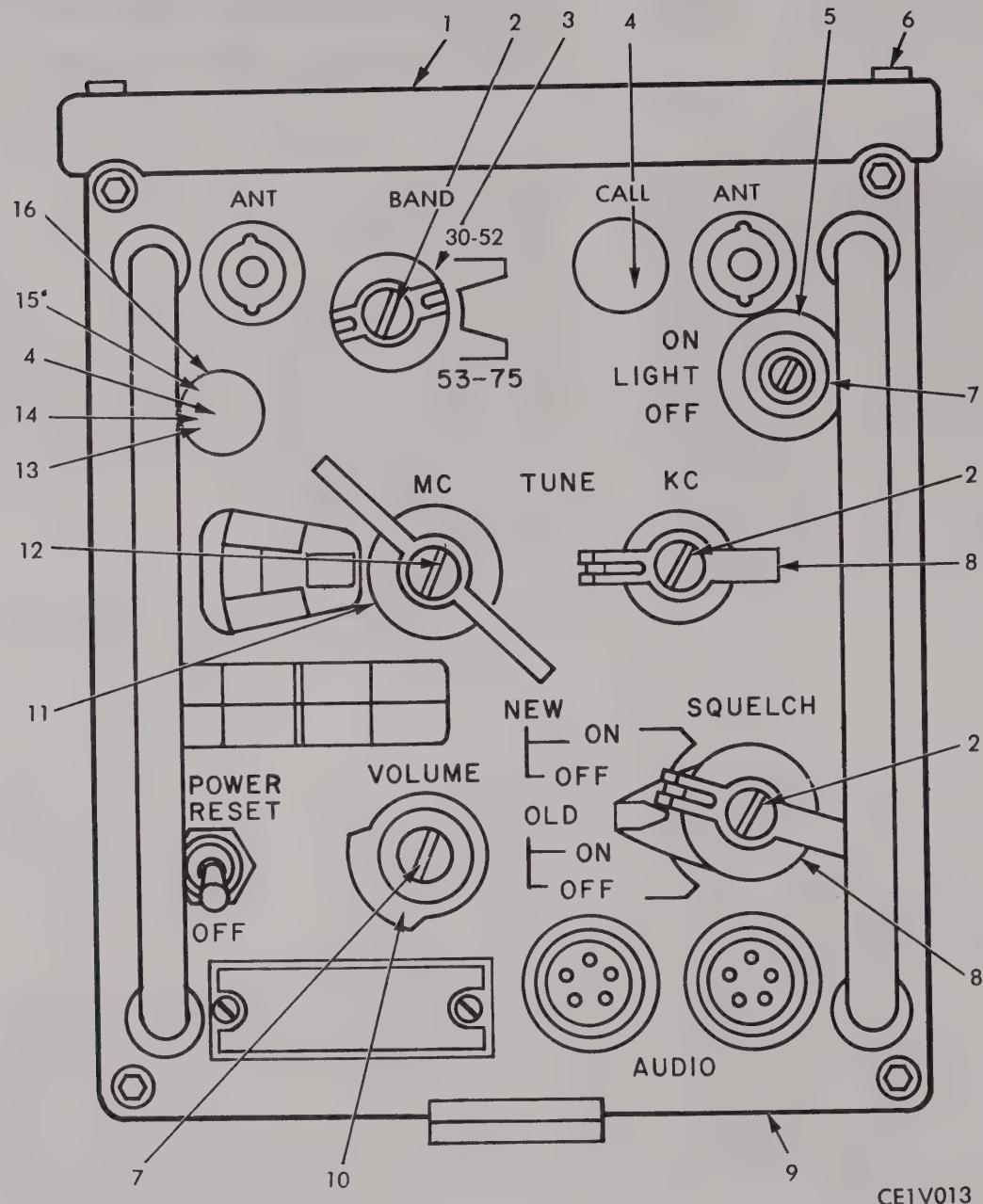


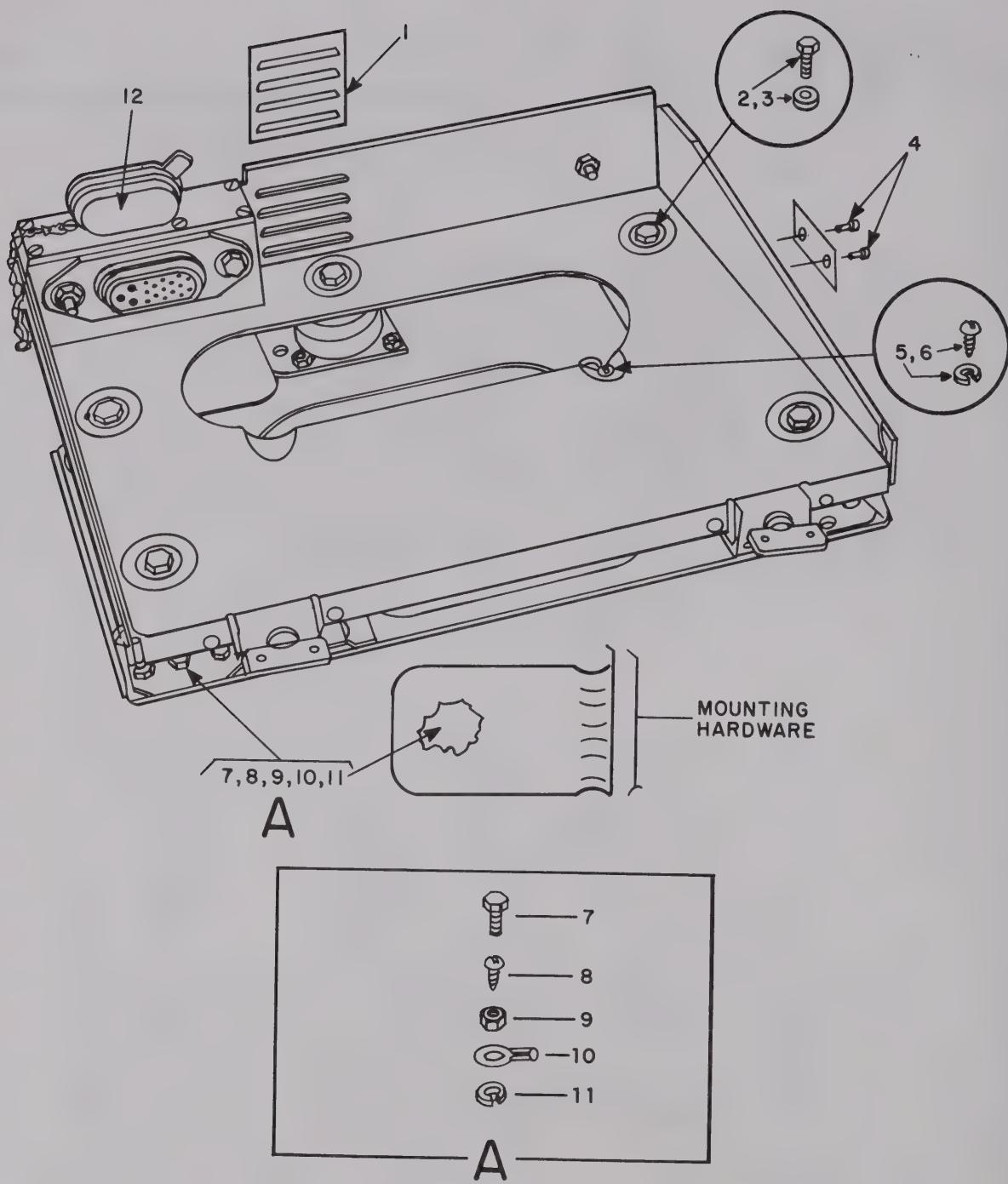
Figure 13. Receiver, Radio R-442/VRC and R-442A/VRC

SECTION II			TM11-5820-401-20P	(5)	(6)
(1) ITEM NO	(2) SMR CODE	(3) FSCM	(4) PART NUMBER	DESCRIPTION AND USABLE ON CODES(UOC)	QTY
GROUP 03 RECEIVER, RADIO R-442/VRC AND R-442A/VRC					

FIGURE 13

1 PAOZZ 80063 SM-D-414957	COVER, ACCESS.....	1
2 PAOZZ 03038 LP35223-27	SCREW, SELF-LOCKING.....	1
3 PAOZZ 80063 SM-C-447052	KNOB.....	1
4 PAOZZ 96906 MS25237-327	LAMP, INCANDESCENT.....	2
5 PAOZZ 80063 SM-C-414393	KNOB.....	1
6 PAOZZ 80063 SM-B-413532-1	SCREW, EXTERNALLY RE.....	6
7 PAOZZ 80045 813189	NUT, SLEEVE.....	1
8 PAOZZ 96906 MS91525-1	KNOB.....	2
9 PAOZZ 80063 SM-D-414960	COVER, ACCESS.....	1
10 PAOZZ 80063 SM-C-414399	KNOB.....	1
11 PAOZZ 80063 SM-C-414401	SCREW, SELF-LOCKING.....	1
12 PAOZZ 80063 SM-B-283611-2	CAP.....	1
13 PAOZZ 80063 SM-B-414407	CAP, END SEAL, ELECTR.....	1
14 PAOZZ 80063 SM-C-414409	PACKING, PREFORMED.....	1
15 PAOZZ 96906 MS28775-012	LENS, LIGHT.....	1
16 PAOZZ 81349 LC35YT2		

END OF FIGURE



CE 1 VM015

Figure 14. Mounting, MT-1029/VRC.

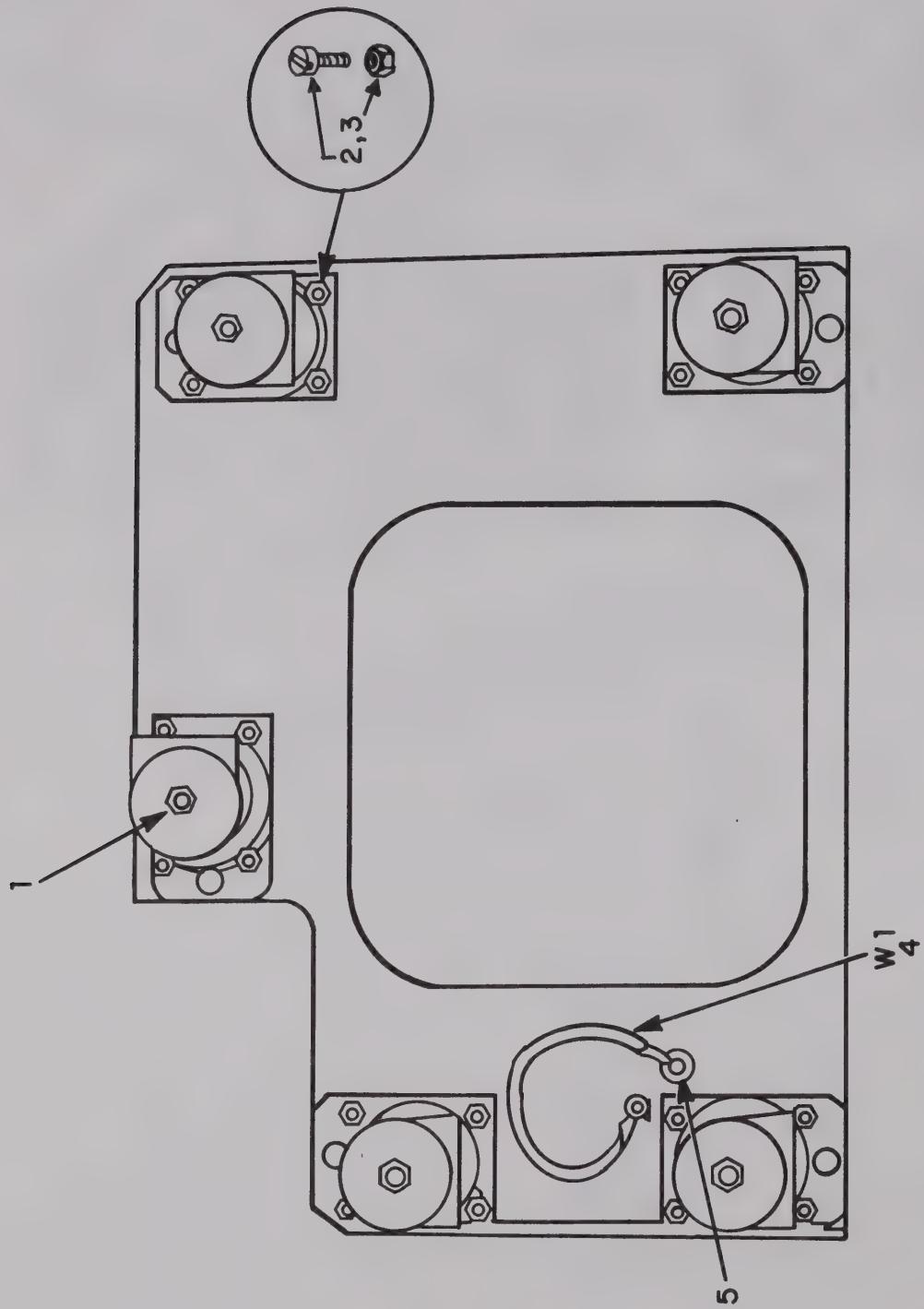
SECTION II			TM11-5820-401-20P	(5)	(6)
(1) ITEM NO	(2) SMR CODE	(3) FSCM	(4) PART NUMBER	DESCRIPTION AND USABLE ON CODES(UOC)	QTY
GROUP 00 MOUNTING,MT-1029/VRC					

FIGURE 14

1 PAOZZ 80063 SC-C-49717	COVER,BLOWER.....	1
2 PAOZZ 80063 SM-B-415042	BOLT,MACHINE.....	5
3 PAOZZ 80063 SM-B-415021	WASHER,FLAT.....	5
4 PAOZZ 96906 MS21318-19	SCREW,DRIVE.....	2
5 PAOZZ 96906 MS35335-30	WASHER,LOCK.....	1
6 PAOZZ 96906 MS35206-228	SCREW,MACHINE.....	1
7 PAOZZ 96906 MS90726-36	SCREW,CAP,HEXAGON H.....	7
8 XBOZZ 96906 MS35292-32	SCREW,MACHINE.....	7
9 PAOZZ 96960 MS51968-5	NUT,PLAIN,HEXAGON.....	7
10 XBOZZ 77860 316	TERMINAL,LUG.....	2
11 PAOZZ 88044 AN936B516	WASHER,LOCK.....	14
12 PAOZZ 80063 SC-C-555860	COVER,ELECTRICAL CO.....	1

END OF FIGURE

CE1VMO16



NOTE: PREFIX ALL REFERENCE DESIGNATIONS WITH A4.

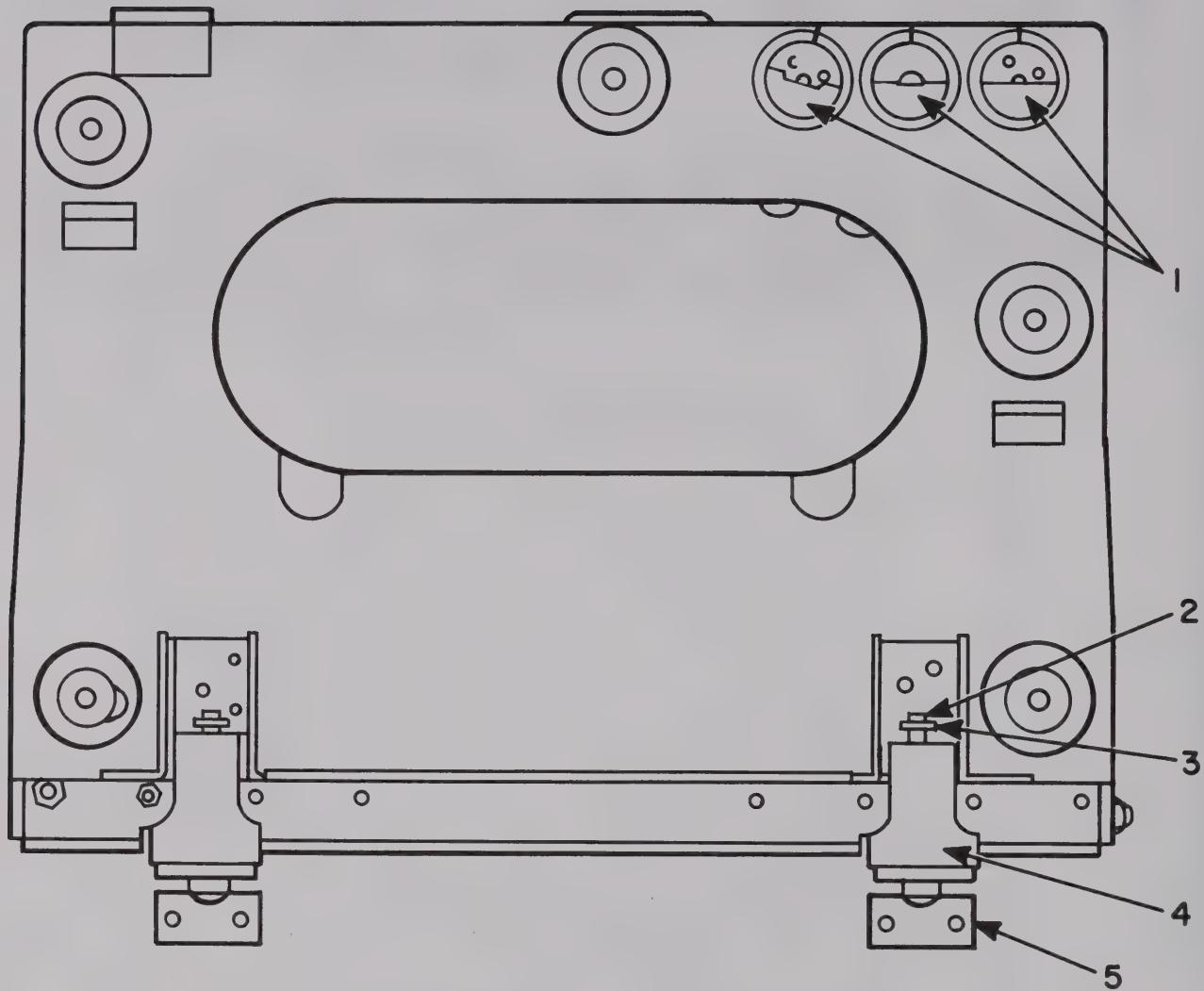
Figure 15. Base Assembly, MT-1029/VRC (Top View).

SECTION II			TM11-5820-401-20P	(5)	(6)
(1) ITEM NO	(2) SMR CODE	(3) FSCM	(4) PART NUMBER	DESCRIPTION AND USABLE ON CODES(UOC)	QTY
GROUP 00 BASE ASSEMBLY,MT-1029/VRC (TOP VIEW)					

FIGURE 15

1 PAOZZ 80063 SM-C-415041-2	MOUNT,RESILIENT.....	5
2 PAOZZ 96906 MS24693C272	SCREW,MACHINE.....	21
3 PAOZZ 96906 MS21044N3	NUT,SELF-LOCKING,HE.....	21
4 PAOZZ 80063 SM-B-415023	LEAD,ELECTRICAL.....	1
5 PAOZZ 96906 MS35335-32	WASHER,LOCK.....	2

END OF FIGURE



CE1VM017

Figure 16. Tray Assembly, MT-1029/VRC (Bottom View).

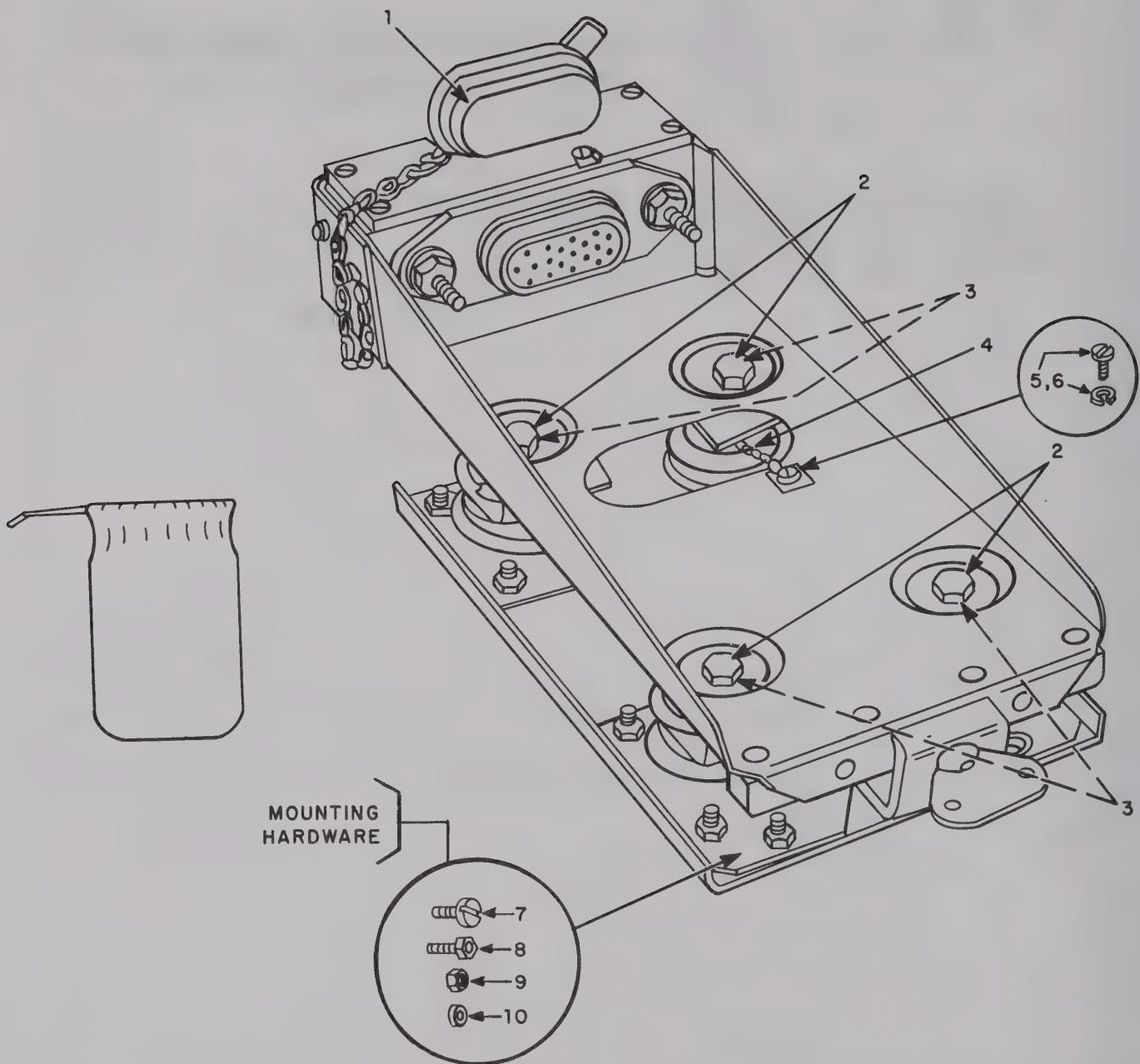
SECTION II			TM11-5820-401-20P	(5)	(6)
(1) ITEM NO	(2) SMR CODE	(3) FSCM	(4) PART NUMBER	DESCRIPTION AND USABLE ON CODES(UOC)	QTY
GROUP 00 TRAY ASSEMBLY MT-1029/VRC (BOTTOM VIEW)					

FIGURE 16

1 PAOZZ 80063 SM-B-104328
 2 PAOZZ 96906 MS16562-193
 3 PAOZZ 73030 69456A18
 4 PAOZZ 80063 SM-C-415032
 5 PAOZZ 80063 SM-C-415027

COVER, ELECTRICAL CO.....	3
PIN, SPRING.....	2
WASHER, FLAT.....	2
CLAMP.....	2
THUMBSCREW.....	2

END OF FIGURE



CE1VM018

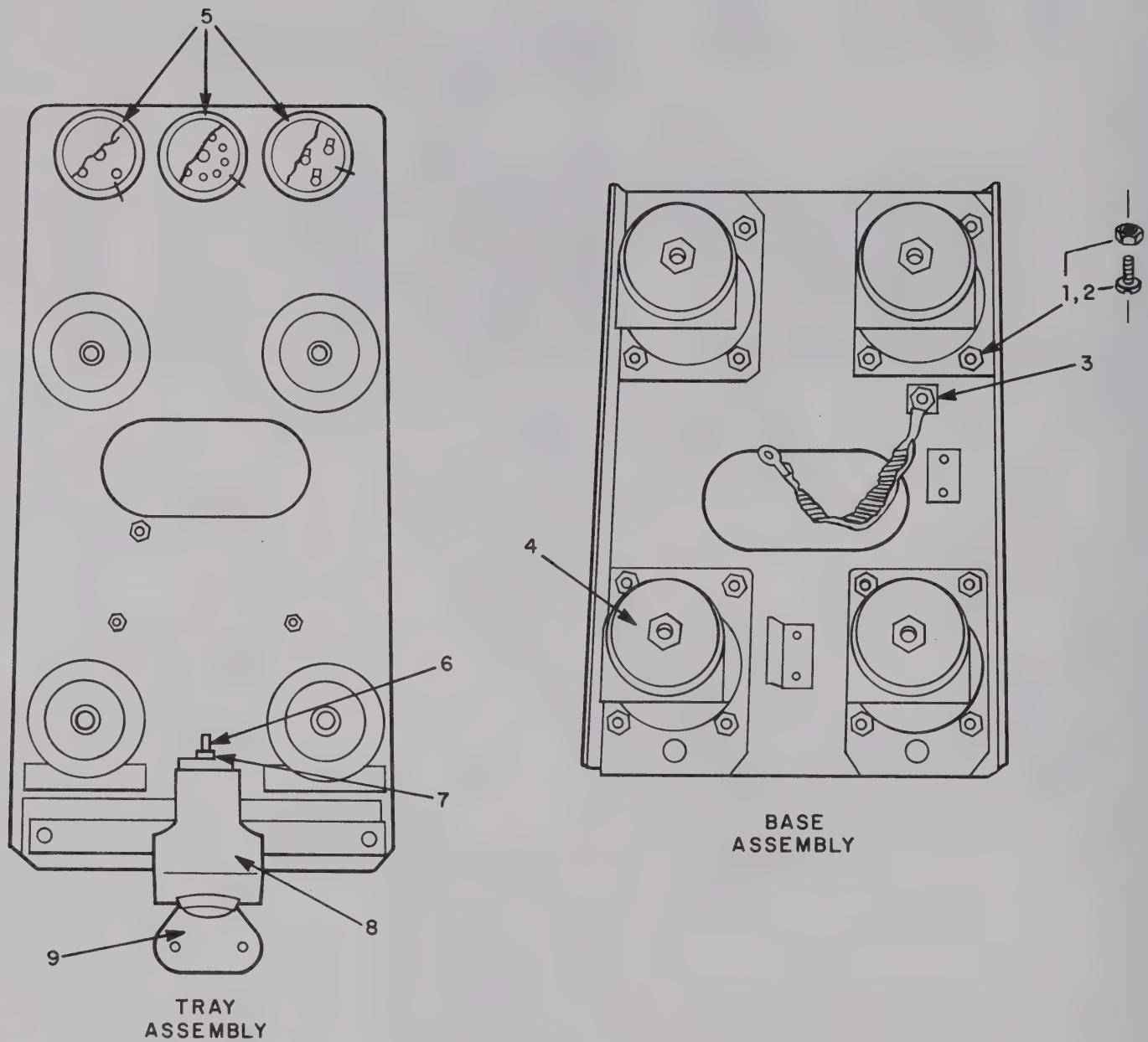
Figure 17. Mounting MT-1898/VRC.

SECTION II			TM11-5820-401-20P	(5)	(6)
(1) ITEM NO	(2) SMR CODE	(3) FSCM	(4) PART NUMBER	DESCRIPTION AND USABLE ON CODES(UOC)	QTY
GROUP 00 MOUNTING MT-1898/VRC					

FIGURE 17

1 PAOFZ 80063	SCC555860	COVER, ELECTRICAL CO.....	1
2 PAOZZ 80063	SM-B-415042	BOLT, MACHINE.....	4
3 PAOZZ 80063	SM-B-415021	WASHER, FLAT.....	4
4 PAOZZ 80063	SM-B-415072	LEAD, ELECTRICAL.....	1
5 PAOZZ 96906	MS35206-228	SCREW, MACHINE.....	1
6 PAOZZ 96906	MS35335-30	WASHER, LOCK.....	1
7 PAOZZ 96906	MS90726-36	SCREW, CAP, HEXAGON H.....	5
8 XBOZZ 96906	MS35292-32	BOLT MACHINE.....	5
9 PAOZZ 96960	MS51968-5	NUT, PLAIN, HEXAGON.....	5
10 PAOZZ 88044	AN936B516	WASHER, LOCK.....	10

END OF FIGURE



CE1VM019

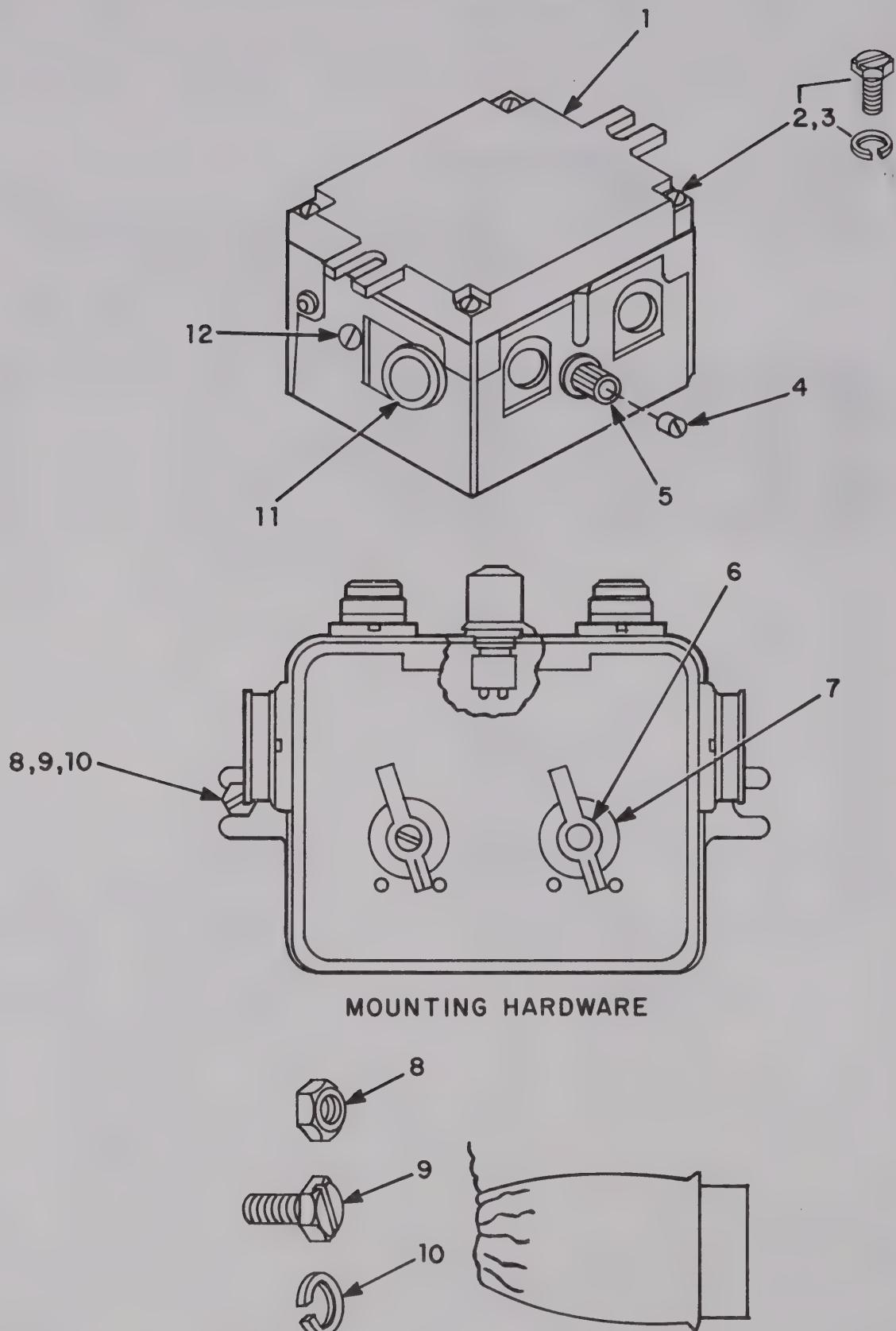
Figure 18. Tray and Base Assembly MT-1898/VRC.

SECTION II			TM11-5820-401-20P	(5)	(6)
(1) ITEM NO	(2) SMR CODE	(3) FSCM	(4) PART NUMBER	DESCRIPTION AND USABLE ON CODES(UOC) QTY	
GROUP 00 TRAY AND BASE ASSEMBLY MT-1898/VRC					

FIGURE 18

1 PAOZZ 96906	MS21044N3	NUT, SELF-LOCKING, HE.....	17
2 PAOZZ 96906	MS24693C272	SCREW, MACHINE.....	17
3 PAOZZ 96906	MS35335-32	WASHER, LOCK.....	1
4 PAOZZ 80063	SM-D-415041-1	MOUNT, RESILIENT.....	4
5 PAOZZ 80063	SM-B-104328	COVER, ELECTRICAL CO.....	3
6 PAOZZ 96906	MS16562-193	PIN, SPRING.....	1
7 PAOZZ 73030	69456A18	WASHER, FLAT.....	1
8 PAOZZ 80063	SM-C-415032	CLAMP.....	1
9 PAOZZ 80063	SM-C-415027	THUMBSCREW.....	1

END OF FIGURE



CE1VM020

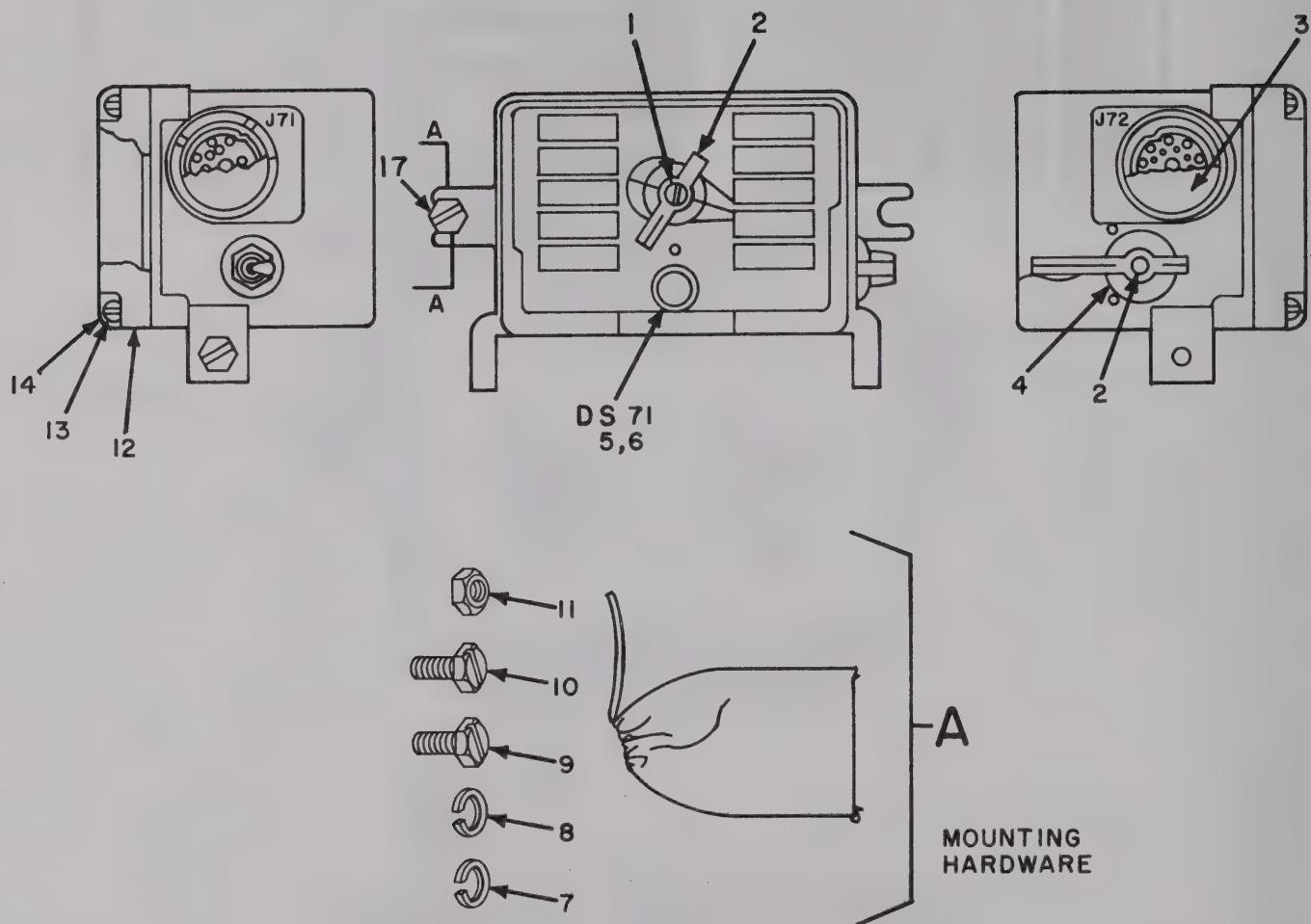
Figure 19. Radio Set Control C-1199/VRC.

SECTION II			TM11-5820-401-20P	(5)	(6)
(1) ITEM NO	(2) SMR CODE	(3) FSCM	(4) PART NUMBER	DESCRIPTION AND USABLE ON CODES(UOC) QTY	
GROUP 00 RADIO SET CONTROL C2299/VRC					

FIGURE 19

1 PAOZZ 80063	SM-D-415209	COVER, RADIO RECEIVE.....	1
2 PAOZZ 80063	SM-C-413884-7	SCREW, EXTERNALLY RE.....	4
3 PAOZZ 96906	MS35338-43	WASHER, LOCK.....	4
4 PAOZZ 80063	SM-B-414395	NUT, SLEEVE.....	1
5 PAOZZ 80063	SM-C-414399	KNOB.....	1
6 PAOZZ 96906	MS21090-0621	SCREW, SELF-LOCKING.....	2
7 PAOZZ 96906	MS91525-2AP350Z	KNOB.....	2
8 PAOZZ 96960	MS51968-5	NUT, PLAIN, HEXAGON.....	3
9 PAOZZ 96906	MS90726-34	BOLT, MACHINE.....	3
10 PAOZZ 96906	MS45904-72	WASHER, LOCK.....	6
11 PAOZZ 80063	SM-B-104328	COVER, ELECTRICAL CO.....	2
12 PAOZZ 80063	SM-C-414131-2	SCREW, MACHINE.....	1
10 PAOZZ 96906	MS21318-43	SCREW, DRIVE.....	2

END OF FIGURE



CE1VM021

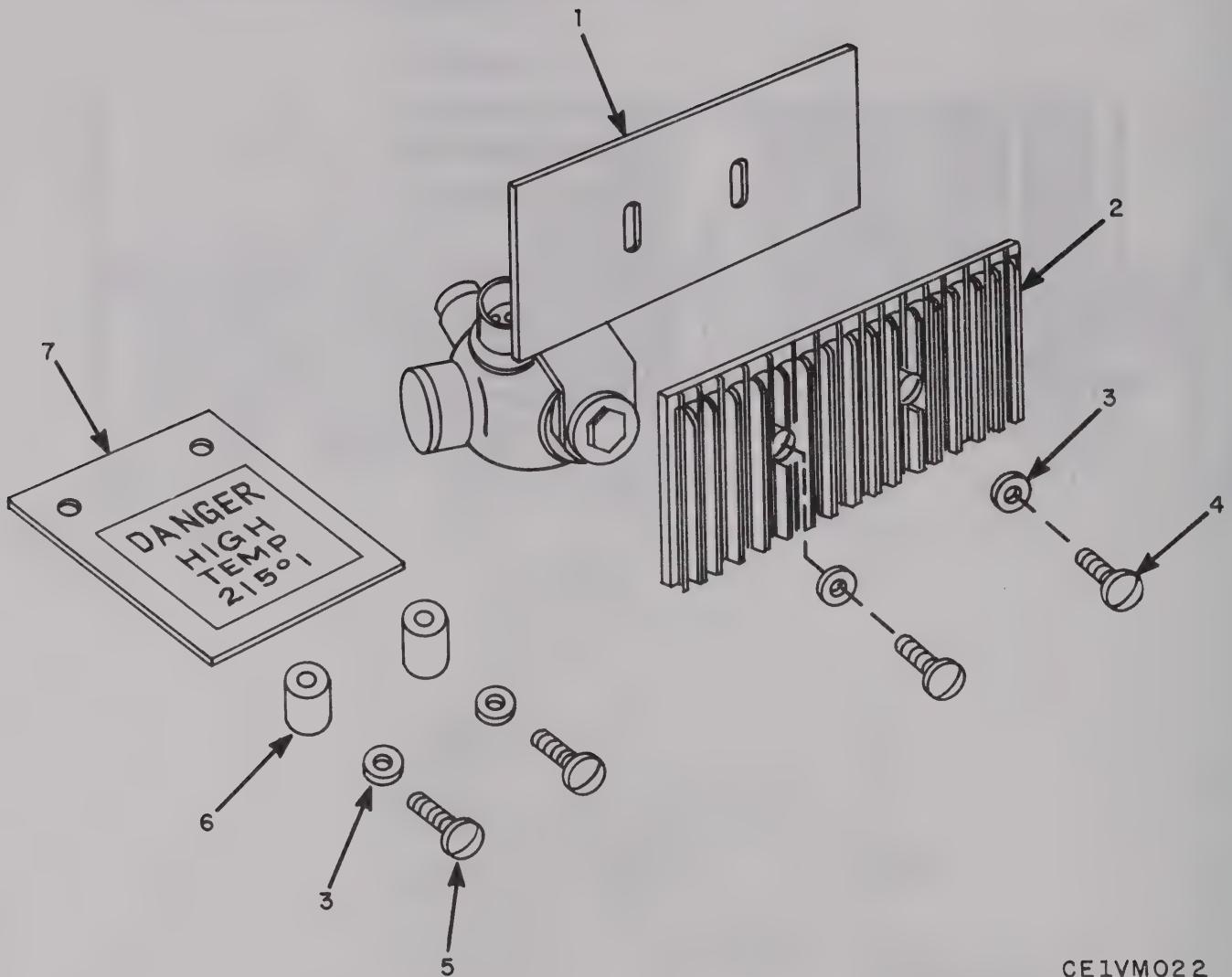
Figure 20. Frequency Control Selector C-2742/VRC.

SECTION II			TM11-5820-401-20P	(5)	(6)
(1) ITEM NO	(2) SMR CODE	(3) FSCM	(4) PART NUMBER	DESCRIPTION AND USABLE ON CODES(UOC)	QTY
GROUP 00 FREQUENCY CONTROL SELECTOR C-2742/VRC					

FIGURE 20

1 PAOZZ	96906	MS21090-0621	SCREW,SELF-LOCKING.....	2
2 PAOZZ	80063	SM-D-415161	KNOB.....	1
3 PAOZZ	80063	SM-B-104328	COVER,ELECTRICAL CO.....	2
4 PAOZZ	80063	SM-D-415160	KNOB.....	1
5 PAOZZ	96906	MS25237-327	LAMP,INCANDESCENT.....	1
6 PAOZZ	72619	174-0113-203	LENS,LIGHT.....	1
7 PAOZZ	96906	MS45904-72	WASHER,LOCK.....	6
8 PAOZZ	96906	MS45904-68	WASHER,LOCK.....	3
9 PAOZZ	96906	MS90726-6	SCREW,CAP,HEXAGON H.....	3
10 PAOZZ	96906	MS90726-34	BOLT,MACHINE.....	3
11 PAOZZ	96960	MS51968-5	NUT,PLAIN,HEXAGON.....	3
12 PAOZZ	80063	SM-D-415173	COVER ASSEMBLY.....	1
13 PAOZZ	96906	MS35338-43	WASHER,LOCK.....	4
14 PAOZZ	80063	SM-C-413884-7	SCREW,EXTERNALLY RE.....	4

END OF FIGURE



CE1VM022

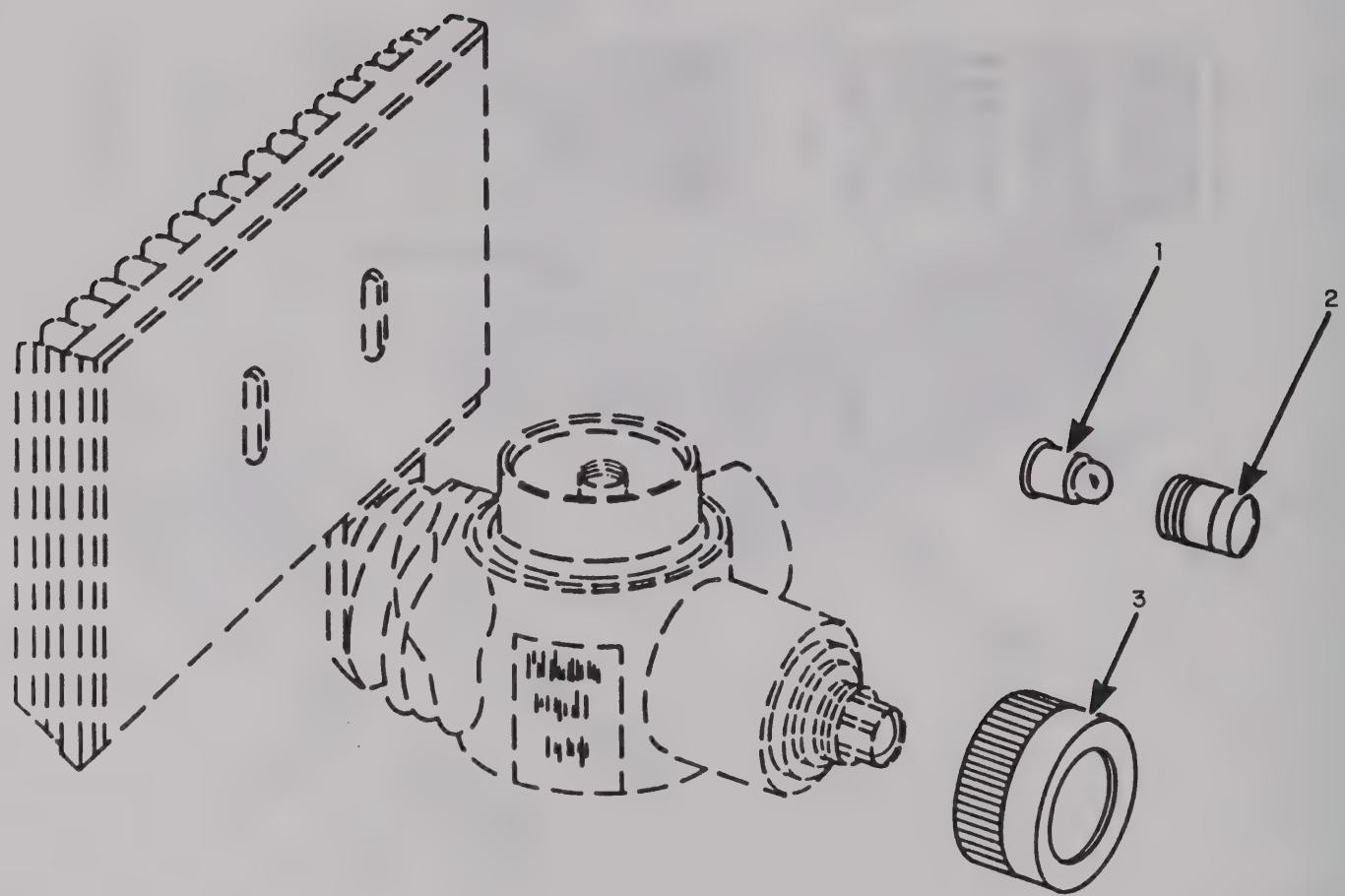
Figure 21. Electrical Suppressor MK-2096/GRC.

SECTION II			TM11-5820-401-20P	(5)	(6)
(1) ITEM NO	(2) CODE	(3) FSCM	(4) PART NUMBER	DESCRIPTION AND USABLE ON CODES(UOC)	QTY
GROUP 00 ELECTRICAL SUPPRESSOR MK-2096/GRC					

FIGURE 21

1 PA0ZZ 80058	MX-10237/GRC	SUPPRESSOR, ELECT TRANSIENT.....	1
2 PA0ZZ 80063	SM-D-627917	HEATSINK.....	1
3 PA0ZZ 96909	MS35338-42	WASHER,LOCK-SPRING.....	6
4 PA0ZZ 96909	MS35223-46	SCREW,MACHINE.....	2
5 PA0ZZ 96909	MS35223-48	SCREW,MACHINE.....	2
6 PA0ZZ 80063	SM-C-627943	SPACER.....	2
7 PA0ZZ 80063	SM-C-627943	GUARD PLATE ASSY.....	1

END OF FIGURE



CE1VM023

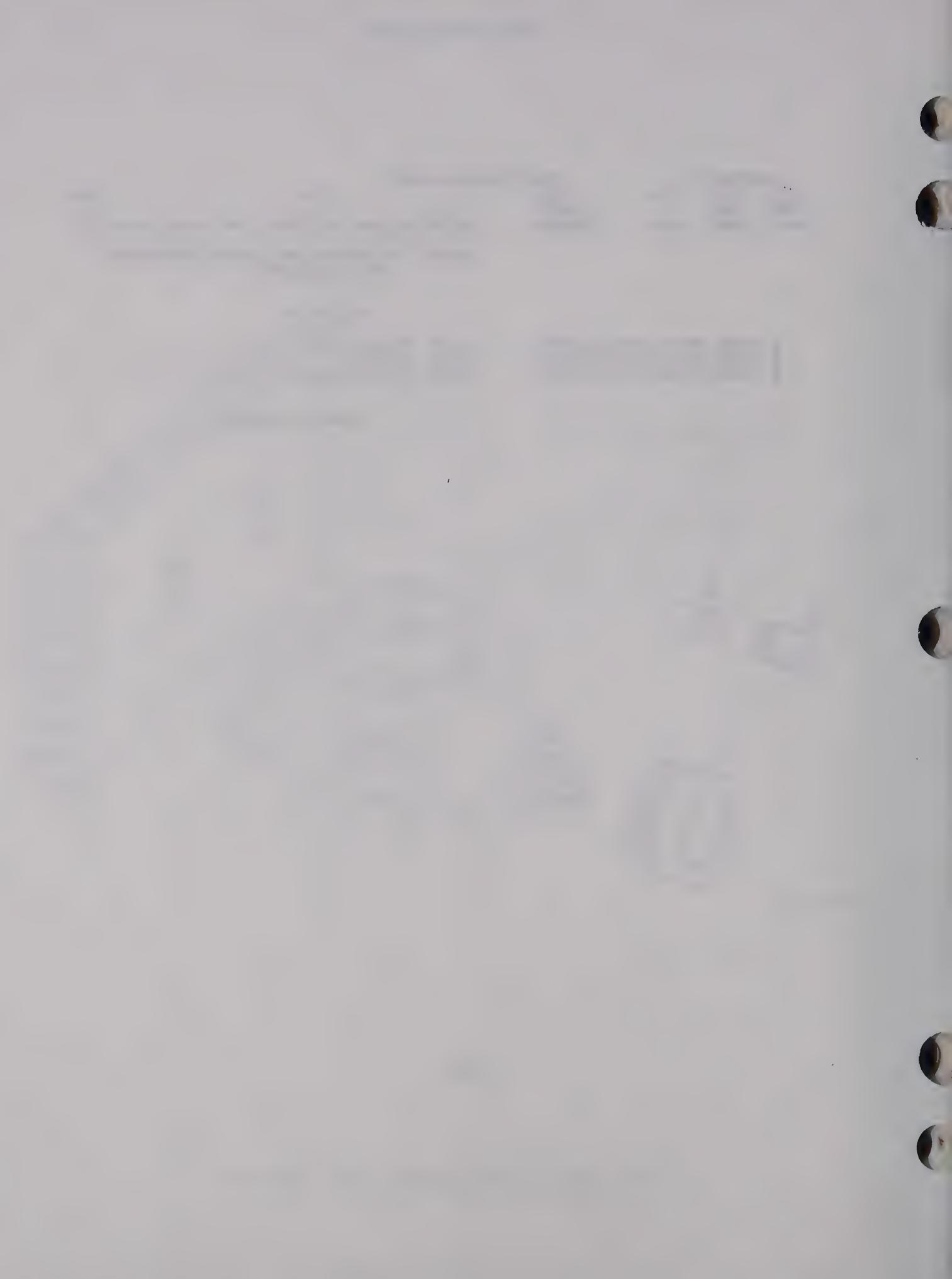
Figure 22. Supressor Electrical Transmit MX-10237/GRC.

SECTION II			TM11-5820-401-20P	(5)	(6)
ITEM NO	(2) CODE	(3) FSCM	(4) PART NUMBER	DESCRIPTION AND USABLE ON CODES(UOC) QTY	
GROUP 00 SUPPRESSOR ELECTR TRANSIENT MX-10237/GRC					

FIGURE 22

1 PAOZZ 80063 SM-C-627912	LAMP INCANDESCENT.....	1
2 PAOZZ 80063 SM-C-627914	LAMP RETAINER.....	1
3 PAOZZ 80063 SM-C-627914	BEZEL, INDICATOR, LT.....	1

END OF FIGURE



SECTION IV

TM11-5820-401-20P

CROSS-REFERENCE INDEXES

STOCK NUMBER	FIG.	NATIONAL STOCK NUMBER INDEX	STOCK NUMBER	FIG.	ITEM
		ITEM			
5310-00-045-3296	19	3	5985-00-238-7474	3	4
	20	13		6	4
5305-00-051-0227	15	2		7	4
	18	2	5975-00-241-5146	9	14
5820-00-057-7756	9	4		12	14
	12	16		13	14
5355-00-059-9188	9	16	5305-00-245-8836	19	12
	12	5	5305-00-253-5624	20	10
	13	11	5995-00-426-1123	17	4
5305-00-068-0506	20	9	5305-00-451-2924	16	5
5820-00-089-0911	9	5A		18	9
	12	17	5310-00-476-6668	14	3
5985-00-115-7149	1	5		17	3
	3	5	5306-00-495-0773	14	2
	6	5		17	2
	7	5	5310-00-514-6674	14	11
6240-00-155-7836	9	12		17	10
	12	12	5330-00-584-0265	9	15
	13	4		12	13
	20	5		13	15
5965-00-179-7762	1	12	5310-00-596-7691	15	5
	2	6		18	3
	3	12	5355-00-616-9659	9	7
	4	5		12	6
	5	3		13	8
	6	10	5355-00-656-1358	19	7
	7	10	5310-00-660-2971	32	11
	8	4	5355-00-667-5889	20	4
6210-00-183-0513	9	13	5305-00-823-5837	19	2
	13	16		20	14
5985-00-199-8831	1	6	5305-00-840-5938	14	4
	3	6	5355-00-853-6353	9	6
	6	6		12	7
	7	6		13	5
5310-00-209-0788	14	5	5355-00-853-6384	9	9
	17	6		12	9
5985-00-221-5544	1	7		13	10
	3	7		19	5
	6	7	5310-00-853-9676	9	5
	7	7		12	8
5306-00-225-9089	19	9		13	7
	20	10		19	4
5305-00-225-9091	14	7	5820-00-859-2585	9	11
	17	7		12	11
5999-00-229-6602	10	4		13	13
5305-00-234-6199	10	2	5310-00-863-9308	16	3
	11	2		18	7
	12	2	5305-00-865-3895	19	6
	13	6		20	1
5985-00-238-7474	1	4	5965-00-876-2375	1	8

SECTION IV

TM11-5820-401-20P

CROSS-REFERENCE INDEXES

STOCK NUMBER	NATIONAL STOCK NUMBER INDEX			FIG.	ITEM
	FIG.	ITEM	STOCK NUMBER		
5965-00-876-2375	2	5	5820-00-918-7783	14	1
	3	8	5340-00-933-3752	16	1
	4	4		18	5
	6	8		19	11
	7	8		20	3
5310-00-877-5797	15	3	5821-00-978-8906	27	6
	18	1	5305-00-984-4983	10	3
5315-00-882-1438	16	2	5305-00-984-4988	14	6
	18	6		17	5
5820-00-884-2466	9	1	5985-00-985-9024	1	2
	12	3A		2	2
6210-00-886-5950	20	6		3	2
5310-00-889-2527	19	10		4	2
	20	7		5	2
5310-00-889-2528	20	8		6	2
5355-00-889-3424	12	4		7	2
	13	3		8	2
5820-00-892-0622	5	1	5340-01-012-3713	15	1
	6	1	5340-01-012-3714	18	4
	7	1	5820-01-028-1043	19	1
	8	1	5820-01-061-1648	20	12
5820-00-892-0623	1	1	5820-01-077-4505	9	2
	2	1	5340-01-082-3032	16	4
	3	1		18	8
	4	1	5995-01-099-7136	15	4
5820-00-892-0624	1	3	5915-01-114-7571	21	1
	3	3	5305-01-126-7312	9	10
	6	3		12	10
	7	3		13	12
5820-00-892-3340	1	11	5305-01-133-0155	9	8
	2	4		12	3
	3	11		13	2
	4	6	5305-01-146-7269	9	3
	8	5	5340-01-164-8658	13	9
5820-00-892-3343	1	10	5340-01-165-4377	13	1
	2	3	5965-01-182-3384	1	13
	3	10		3	13
5820-00-893-1323	1	14		4	7
	2	7		5	4
	3	14		6	11
	4	3		6	11
	5	5		7	11
	6	12		8	6
	7	12	5935-01-219-3650	17	1
5820-00-893-1324	8	3			
	1	9			
	3	9			
	6	9			
	7	9			
5935-00-911-2323	14	12			

SECTION IV

TM11-5820-401-20P

CROSS-REFERENCE INDEXES

FSCM	PART NUMBER	PART NUMBER INDEX	FIG.	ITEM
		STOCK NUMBER		
80058	AB-15/GR	5985-00-221-5544	1 3 6 7 3 14 17	7 7 7 7 7 11 10
80058	AB-450/GR		1 2 3 4 5 6 7 8	2 2 2 2 2 2 2 2
88044	AN936B516	5310-00-514-6674	1 2 3 4 5 6 7 8	2 2 2 2 2 2 2 2
80058	AS-1729/VRC	5985-00-985-9024	1 2 3 4 5 6 7 8	2 2 2 2 2 2 2 2
14850	A1-8882D	5820-00-057-7756	9 12	4 16
14850	A1-8883D	5820-00-089-0911	9 12	5A 17
80058	C-2299/VRC	5820-00-892-3340	1 2 3 4 5 6 7 8	11 4 11 6 5 11 6 5
80058	C-2742/VRC	5820-00-892-3343	1 2 3 4 5 6 7 8	10 3 10 3 10 3 11 6
14850	D1-8892B	5305-01-146-7269	9 12	3 15
80058	H-140B/U		1 2 3 4 5 6 7 8	13 13 13 7 4 11 6 6
81349	H-251A/U	5965-01-182-3384	1 2 3 4 5 6 7 8	13 13 7 4 11 11 11 6
81349	LC35YT2	6210-00-183-0513	9 13	13 16
03038	LP35223-27	5305-01-133-0155	9 12 13	8 3 2
80058	LS-454/U	5965-00-876-2375	1 2 3	8 5 8

SECTION IV

TM11-5820-401-20P

CROSS-REFERENCE INDEXES

FSCM	PART NUMBER	PART NUMBER INDEX	FIG.	ITEM
		STOCK NUMBER		
80058	LS-454/U	5965-00-876-2375	4 6 7 1 2 3 4 5 6 7 8	4 8 8 12 6 12 5 3 10 10 4
80058	M-80C/U	5965-00-179-7762	1 2 3 4 5 6 7	12 6 12 5 3 10 10
80058	MS-116A	5985-00-199-8831	1 3 6	6 6 6
80058	MS-117A	5985-00-115-7149	1 3 6	5 5 5
80058	MS-118A	5985-00-238-7474	1 3 6	5 4 4
96906	MS16562-193	5315-00-882-1438	7 16	4 2
96906	MS21044N3	5310-00-877-5797	18 15	6 3
96906	MS21090-0621	5305-00-865-3895	18 19	1 6
96906	MS21318-19	5305-00-840-5938	20	1
96906	MS21318-43	5305-00-253-5624	14	4
96906	MS24693C272	5305-00-051-0227	20 15	10 2
96906	MS25082-2	5310-00-660-2971	18	2
96906	MS25237-327	6240-00-155-7836	32 9 12 13	11 12 12 4
96906	MS28775-012	5330-00-584-0265	20 9 12 13	5 15 13 15
96906	MS35206-226	5305-00-984-4983	13	15
96906	MS35206-228	5305-00-984-4988	10 14	3 6
96909	MS35223-46		17	5
96909	MS35223-48		21	4
96906	MS35292-32		21 14	5 8
96906	MS35335-30	5310-00-209-0788	17 14	8 5
96906	MS35335-32	5310-00-596-7691	17 15	6 5

SECTION IV

TM11-5820-401-20P

CROSS-REFERENCE INDEXES

FSCM	PART NUMBER	PART NUMBER INDEX STOCK NUMBER	FIG.	ITEM
96906	MS35335-32	5310-00-596-7691	18	3
96909	MS35338-42		21	3
96906	MS35338-43	5310-00-045-3296	19	3
			20	13
96906	MS45904-68	5310-00-889-2528	20	8
96906	MS45904-72	5310-00-889-2527	19	10
			20	7
96960	MS51968-5		14	9
			17	9
			19	8
96906	MS90726-34	5306-00-225-9089	19	9
96906	MS90726-36	5305-00-225-9091	20	10
			14	7
96906	MS90726-6	5305-00-068-0506	17	7
96906	MS91525-1	5355-00-616-9659	20	9
			9	7
			12	6
96906	MS91525-2AP350Z	5355-00-656-1358	13	8
80058	MT-1029/VRC	5820-00-893-1323	19	7
			1	14
			2	7
			3	14
			4	3
			5	5
			6	12
			7	12
80058	MT-1898/VRC	5820-00-893-1324	8	3
			1	9
			3	9
			6	9
			7	9
80058	MX-10237/GRC	5915-01-114-7571	21	1
80058	RT-246/VRC	5820-00-892-0623	2	1
			3	1
80058	RT-524A/VRC	5820-00-892-0622	4	1
			5	1
			6	1
			7	1
80058	RT246/VRC	5820-00-892-0623	8	1
80058	R442/VRC	5820-00-892-0624	1	1
			1	3
			3	3
			6	3
			7	3
80063	SC-C-49717	5820-00-918-7783	14	1
80063	SC-C-555860	5935-00-911-2323	14	12
80063	SCC555860	5935-01-219-3650	17	1
80063	SM-B-104328	5340-00-933-3752	16	1
			18	5
			19	11

SECTION IV

TM11-5820-401-20P

CROSS-REFERENCE INDEXES

FSCM	PART NUMBER	PART NUMBER INDEX STOCK NUMBER	FIG.	ITEM
80063	SM-B-104328	5340-00-933-3752	20	3
80063	SM-B-283611-2	5305-01-126-7312	9	10
			12	10
			13	12
80063	SM-B-413532-1	5305-00-234-6199	10	2
			11	2
			12	2
			13	6
80063	SM-B-413650	5821-00-978-8906	27	6
80063	SM-B-414395	5310-00-853-9676	19	4
80063	SM-B-414407	5820-00-859-2585	9	11
			12	11
			13	13
80063	SM-B-415021	5310-00-476-6668	14	3
			17	3
80063	SM-B-415023	5995-01-099-7136	15	4
80063	SM-B-415042	5306-00-495-0773	14	2
			17	2
80063	SM-B-415072	5995-00-426-1123	17	4
80063	SM-C-413884-7	5305-00-823-5837	19	2
			20	14
80063	SM-C-414131-2	5305-00-245-8836	19	12
80063	SM-C-414291	5999-00-229-6602	10	4
80063	SM-C-414393	5355-00-853-6353	9	6
			12	7
			13	5
80063	SM-C-414399	5355-00-853-6384	9	9
			12	9
			13	10
80063	SM-C-414401	5355-00-059-9188	9	16
			12	5
			13	11
80063	SM-C-414409	5975-00-241-5146	9	14
			12	14
			13	14
80063	SM-C-415027	5305-00-451-2924	16	5
80063	SM-C-415032	5340-01-082-3032	16	4
			18	8
80063	SM-C-415041-2	5340-01-012-3713	15	1
80063	SM-C-447052	5355-00-889-3424	12	4
			13	3
80063	SM-C-627912		22	1
80063	SM-C-627914		22	2
			22	3
80063	SM-C-627943		21	6
			21	7
80063	SM-D-318065		12	1
80063	SM-D-414288	5820-01-077-4505	9	2
80063	SM-D-414294		10	1

SECTION IV

TM11-5820-401-20P

CROSS-REFERENCE INDEXES

FSCM	PART NUMBER	PART NUMBER INDEX STOCK NUMBER	FIG.	ITEM
80063	SM-D-414297	5820-00-884-2466	9	1
80063	SM-D-414299		12	3A
80063	SM-D-414957	5340-01-165-4377	11	1
80063	SM-D-414960	5340-01-164-8658	13	1
80063	SM-D-415041-1	5340-01-012-3714	13	9
80063	SM-D-415160	5355-00-667-5889	18	4
80063	SM-D-415161		20	4
80063	SM-D-415173	5820-01-061-1648	20	2
80063	SM-D-415209	5820-01-028-1043	19	12
80063	SM-D-627917		21	1
83512	S7892	5310-00-853-9676	21	2
72619	174-0113-203	5310-00-853-9676	9	5
77860	316	6210-00-886-5950	12	8
73030	69456A18		20	6
80045	813189	5310-00-863-9308	14	10
			16	3
			18	7
			13	7

SECTION IV

TM11-5820-401-20P

CROSS-REFERENCE INDEXES

FIG.	ITEM	FIGURE AND ITEM NUMBER INDEX		
		STOCK NUMBER	FSCM	PART NUMBER
1	1	5820-00-892-0623	80058	RT246/VRC
1	2	5985-00-985-9024	80058	AS-1729/VRC
1	3	5820-00-892-0624	80058	R442/VRC
1	4	5985-00-238-7474	80058	MS-118A
1	5	5985-00-115-7149	80058	MS-117A
1	6	5985-00-199-8831	80058	MS-116A
1	7	5985-00-221-5544	80058	AB-15/GR
1	8	5965-00-876-2375	80058	LS-454/U
1	9	5820-00-893-1324	80058	MT-1898/VRC
1	10	5820-00-892-3343	80058	C-2742/VRC
1	11	5820-00-892-3340	80058	C-2299/VRC
1	12	5965-00-179-7762	80058	M-80C/U
1	13		80058	H-140B/U
1	13	5965-01-182-3384	81349	H-251A/U
1	14	5820-00-893-1323	80058	MT-1029/VRC
2	1	5820-00-892-0623	80058	RT-246/VRC
2	2	5985-00-985-9024	80058	AS-1729/VRC
2	3	5820-00-892-3343	80058	C-2742/VRC
2	4	5820-00-892-3340	80058	C-2299/VRC
2	5	5965-00-876-2375	80058	LS-454/U
2	6	5965-00-179-7762	80058	M-80C/U
2	7	5820-00-893-1323	80058	MT-1029/VRC
3	1	5820-00-892-0623	80058	RT-246/VRC
3	2	5985-00-985-9024	80058	AS-1729/VRC
3	3	5820-00-892-0624	80058	R442/VRC
3	4	5985-00-238-7474	80058	MS-118A
3	5	5985-00-115-7149	80058	MS-117A
3	6	5985-00-199-8831	80058	MS-116A
3	7		80058	AB-450/GR
3	7	5985-00-221-5544	80058	AB-15/GR
3	8	5965-00-876-2375	80058	LS-454/U
3	9	5820-00-893-1324	80058	MT-1898/VRC
3	10	5820-00-892-3343	80058	C-2742/VRC
3	11	5820-00-892-3340	80058	C-2299/VRC
3	12	5965-00-179-7762	80058	M-80C/U
3	13		80058	H-140B/U
3	13	5965-01-182-3384	80058	H-251A/U
3	14	5820-00-893-1323	80058	MT-1029/VRC
4	1	5820-00-892-0623	80058	RT-246/VRC
4	2	5985-00-985-9024	80058	AS-1729/VRC
4	3	5820-00-893-1323	80058	MT-1029/VRC
4	4	5965-00-876-2375	80058	LS-454/U
4	5	5965-00-179-7762	80058	M-80C/U
4	6	5820-00-892-3340	80058	C-2299/VRC
4	7		80058	H-140B/U
4	7	5965-01-182-3384	80058	H-251A/U
5	1	5820-00-892-0622	80058	RT-524A/VRC
5	2	5985-00-985-9024	80058	AS-1729/VRC
5	3	5965-00-179-7762	80058	M-80C/U
5	4		80058	H-140B/U
5	4	5965-01-182-3384	81349	H-251A/U

SECTION IV

TM11-5820-401-20P

CROSS-REFERENCE INDEXES

FIG.	ITEM	FIGURE AND ITEM NUMBER INDEX STOCK NUMBER	FSCM	PART NUMBER
5	5	5820-00-893-1323	80058	MT-1029/VRC
6	1	5820-00-892-0622	80058	RT-524A/VRC
6	2	5985-00-985-9024	80058	AS-1729/VRC
6	3	5820-00-892-0624	80058	R442/VRC
6	4	5985-00-238-7474	80058	MS-118A
6	5	5985-00-115-7149	80058	MS-117A
6	6	5985-00-199-8831	80058	MS-116A
6	7	5985-00-221-5544	80058	AB-15/GR
6	8	5965-00-876-2375	80058	LS-454/U
6	9	5820-00-893-1324	80058	MT-1898/VRC
6	10	5965-00-179-7762	80058	M-80C/U
6	11	5965-01-182-3384	81349	H-251A/U
6	11	5965-01-182-3384	81349	H-251A/U
6	12	5820-00-893-1323	80058	MT-1029/VRC
7	1	5820-00-892-0622	80058	RT-524A/VRC
7	2	5985-00-985-9024	80058	AS-1729/VRC
7	3	5820-00-892-0624	80058	R442/VRC
7	4	5985-00-238-7474	80058	MS-118A
7	5	5985-00-115-7149	80058	MS-117A
7	6	5985-00-199-8831	80058	MS-116A
7	7	5985-00-221-5544	80058	AB-15/GR
7	8	5965-00-876-2375	80058	LS-454/U
7	9	5820-00-893-1324	80058	MT-1898/VRC
7	10	5965-00-179-7762	80058	M-80C/U
7	11		80058	H-140B/U
7	11	5965-01-182-3384	81349	H-251A/U
7	12	5820-00-893-1323	80058	MT-1029/VRC
8	1	5820-00-892-0622	80058	RT-524A/VRC
8	2	5985-00-985-9024	80058	AS-1729/VRC
8	3	5820-00-893-1323	80058	MT-1029/VRC
8	4	5965-00-179-7762	80058	M-80C/U
8	5	5820-00-892-3340	80058	C-2299/VRC
8	6		80058	H-140B/U
8	6	5965-01-182-3384	80058	H-251A/U
9	1	5820-00-884-2466	80063	SM-D-414297
9	2	5820-01-077-4505	80063	SM-D-414288
9	3	5305-01-146-7269	14850	D1-8892B
9	4	5820-00-057-7756	14850	A1-8882D
9	5	5310-00-853-9676	83512	S7892
9	5A	5820-00-089-0911	14850	A1-8883D
9	6	5355-00-853-6353	80063	SM-C-414393
9	7	5355-00-616-9659	96906	MS91525-1
9	8	5305-01-133-0155	03038	LP35223-27
9	9	5355-00-853-6384	80063	SM-C-414399
9	10	5305-01-126-7312	80063	SM-B-283611-2
9	11	5820-00-859-2585	80063	SM-B-414407
9	12	6240-00-155-7836	96906	MS25237-327
9	13	6210-00-183-0513	81349	LC35YT2
9	14	5975-00-241-5146	80063	SM-C-414409
9	15	5330-00-584-0265	96906	MS28775-012
9	16	5355-00-059-9188	80063	SM-C-414401

SECTION IV

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CROSS-REFERENCE INDEXES

FIG.	ITEM	FIGURE AND ITEM NUMBER INDEX STOCK NUMBER	FSCM	PART NUMBER
10	1			
10	2	5305-00-234-6199	80063	SM-D-414294
10	3	5305-00-984-4983	96906	SM-B-413532-1
10	4	5999-00-229-6602	80063	MS35206-226
11	1			SM-C-414291
11	2	5305-00-234-6199	80063	SM-D-414299
12	1			SM-B-413532-1
12	2	5305-00-234-6199	80063	SM-D-318065
12	3	5305-01-133-0155	03038	SM-B-413532-1
12	3A	5820-00-884-2466	80063	LP35223-27
12	4	5355-00-889-3424	80063	SM-D-414297
12	5	5355-00-059-9188	80063	SM-C-447052
12	6	5355-00-616-9659	96906	SM-C-414401
12	7	5355-00-853-6353	80063	MS91525-1
12	8	5310-00-853-9676	83512	SM-C-414393
12	9	5355-00-853-6384	80063	S7892
12	10	5305-01-126-7312	80063	SM-C-414399
12	11	5820-00-859-2585	80063	SM-B-283611-2
12	12	6240-00-155-7836	96906	SM-B-414407
12	13	5330-00-584-0265	96906	MS25237-327
12	14	5975-00-241-5146	80063	MS28775-012
12	15		14850	SM-C-414409
12	16	5820-00-057-7756	14850	D1-8892B
12	17	5820-00-089-0911	14850	A1-8882D
13	1	5340-01-165-4377	80063	A1-8883D
13	2	5305-01-133-0155	03038	SM-D-414957
13	3	5355-00-889-3424	80063	LP35223-27
13	4	6240-00-155-7836	96906	SM-C-447052
13	5	5355-00-853-6353	80063	MS25237-327
13	6	5305-00-234-6199	80063	SM-C-414393
13	7	5310-00-853-9676	80045	SM-B-413532-1
13	8	5355-00-616-9659	96906	813189
13	9	5340-01-164-8658	80063	MS91525-1
13	10	5355-00-853-6384	80063	SM-D-414960
13	11	5355-00-059-9188	80063	SM-C-414399
13	12	5305-01-126-7312	80063	SM-C-414401
13	13	5820-00-859-2585	80063	SM-B-283611-2
13	14	5975-00-241-5146	80063	SM-B-414407
13	15	5330-00-584-0265	96906	MS28775-012
13	16	6210-00-183-0513	81349	LC35YT2
14	1	5820-00-918-7783	80063	SC-C-49717
14	2	5306-00-495-0773	80063	SM-B-415042
14	3	5310-00-476-6668	80063	SM-B-415021
14	4	5305-00-840-5938	96906	MS21318-19
14	5	5310-00-209-0788	96906	MS35335-30
14	6	5305-00-984-4988	96906	MS35206-228
14	7	5305-00-225-9091	96906	MS90726-36
14	8		96906	MS35292-32
14	9		96960	MS51968-5
14	10		77860	316
14	11	5310-00-514-6674	88044	AN936B516

SECTION IV

TM11-5820-401-20P

CROSS-REFERENCE INDEXES

FIG.	ITEM	FIGURE AND ITEM NUMBER INDEX STOCK NUMBER	FSCM	PART NUMBER
14	12	5935-00-911-2323	80063	SC-C-555860
15	1	5340-01-012-3713	80063	SM-C-415041-2
15	2	5305-00-051-0227	96906	MS24693C272
15	3	5310-00-877-5797	96906	MS21044N3
15	4	5995-01-099-7136	80063	SM-B-415023
15	5	5310-00-596-7691	96906	MS35335-32
16	1	5340-00-933-3752	80063	SM-B-104328
16	2	5315-00-882-1438	96906	MS16562-193
16	3	5310-00-863-9308	73030	69456A18
16	4	5340-01-082-3032	80063	SM-C-415032
16	5	5305-00-451-2924	80063	SM-C-415027
17	1	5935-01-219-3650	80063	SCC555860
17	2	5306-00-495-0773	80063	SM-B-415042
17	3	5310-00-476-6668	80063	SM-B-415021
17	4	5995-00-426-1123	80063	SM-B-415072
17	5	5305-00-984-4988	96906	MS35206-228
17	6	5310-00-209-0788	96906	MS35335-30
17	7	5305-00-225-9091	96906	MS90726-36
17	8		96906	MS35292-32
17	9		96960	MS51968-5
17	10	5310-00-514-6674	88044	AN936B516
18	1	5310-00-877-5797	96906	MS21044N3
18	2	5305-00-051-0227	96906	MS24693C272
18	3	5310-00-596-7691	96906	MS35335-32
18	4	5340-01-012-3714	80063	SM-D-415041-1
18	5	5340-00-933-3752	80063	SM-B-104328
18	6	5315-00-882-1438	96906	MS16562-193
18	7	5310-00-863-9308	73030	69456A18
18	8	5340-01-082-3032	80063	SM-C-415032
18	9	5305-00-451-2924	80063	SM-C-415027
19	1	5820-01-028-1043	80063	SM-D-415209
19	2	5305-00-823-5837	80063	SM-C-413884-7
19	3	5310-00-045-3296	96906	MS35338-43
19	4	5310-00-853-9676	80063	SM-B-414395
19	5	5355-00-853-6384	80063	SM-C-414399
19	6	5305-00-865-3895	96906	MS21090-0621
19	7	5355-00-656-1358	96906	MS91525-2AP3S0Z
19	8		96960	MS51968-5
19	9	5306-00-225-9089	96906	MS90726-34
19	10	5310-00-889-2527	96906	MS45904-72
19	11	5340-00-933-3752	80063	SM-B-104328
19	12	5305-00-245-8836	80063	SM-C-414131-2
20	1	5305-00-865-3895	96906	MS21090-0621
20	2		80063	SM-D-415161
20	3	5340-00-933-3752	80063	SM-B-104328
20	4	5355-00-667-5889	80063	SM-D-415160
20	5	6240-00-155-7836	96906	MS25237-327
20	6	6210-00-886-5950	72619	174-0113-203
20	7	5310-00-889-2527	96906	MS45904-72
20	8	5310-00-889-2528	96906	MS45904-68
20	9	5305-00-068-0506	96906	MS90726-6

SECTION IV

TM11-5820-401-20P

CROSS-REFERENCE INDEXES

FIG.	ITEM	FIGURE AND ITEM NUMBER INDEX STOCK NUMBER	FSCM	PART NUMBER
20	10	5305-00-253-5624	96906	MS21318-43
20	10	5306-00-225-9089	96906	MS90726-34
20	11		96960	MS51968-5
20	12	5820-01-061-1648	80063	SM-D-415173
20	13	5310-00-045-3296	96906	MS35338-43
20	14	5305-00-823-5837	80063	SM-C-413884-7
21	1	5915-01-114-7571	80058	MX-10237/GRC
21	2		80063	SM-D-627917
21	3		96909	MS35338-42
21	4		96909	MS35223-46
21	5		96909	MS35223-48
21	6		80063	SM-C-627943
21	7		80063	SM-C-627943
22	1		80063	SM-C-627912
22	2		80063	SM-C-627914
22	3		80063	SM-C-627914
27	6	5821-00-978-8906	80063	SM-B-413650
32	11	5310-00-660-2971	96906	MS25082-2

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TM 11-5840-340-20P

PUBLICATION DATE

23 Jan 78

PUBLICATION TITLE

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33 19 For item 2, change the NSN to read: 5835-00-134-9186.
Reason: Accuracy.

44 19 Identify the cover on the junction box (item no. 5).
Reason: It is a separate item and is not called out on figure 19.

45 Add the cover of the junction box as an item in the listing for figure 19.
Reason: Same as above

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